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# **Sediment Data Reference Index**

## **Canada 1988**

### **Données sur les sédiments Index de référence**

**INLAND WATERS DIRECTORATE  
WATER RESOURCES BRANCH  
WATER SURVEY OF CANADA  
OTTAWA, CANADA, 1989**

**DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES  
DIRECTION DES RESSOURCES EN EAU  
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA  
OTTAWA, CANADA, 1990**

Published by authority of  
the Minister of the Environment

Publié avec l'autorisation  
du ministre de l'Environnement

© Minister of Supply and Services Canada 1990  
Cat. No. En 36-410/1988-1  
ISBN 0-662-57625-X

© Ministre des Approvisionnements et Services Canada 1990  
N° de cat. En 36-410/1988-1  
ISBN 0-662-57625-X

## PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chiefs of the Water Resources Branch at Vancouver, British Columbia; Calgary, Alberta; Regina, Saskatchewan; Winnipeg, Manitoba; Guelph, Ontario; Dartmouth, Nova Scotia, and the Chief of the Water Quantity and Quality Division at Longueuil, Quebec, and the Chief, N.W.T. Program, Yellowknife, Northwest Territories.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

## PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du directeur des Ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la compétence des chefs régionaux de la Direction des ressources en eau, à Vancouver (Colombie-Britannique), Calgary (Alberta), Regina (Saskatchewan), Winnipeg (Manitoba), Guelph (Ontario) et Dartmouth (Nouvelle-Écosse), ainsi que du chef des Programmes de la quantité et de la qualité de l'eau à Longueuil (Québec) et du chef des Programmes des T.N.-O., à Yellowknife (T.N.-O.).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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# INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents the 1988 edition of the Reference Index of Sediment Data collected to December 31, 1988 by the Water Survey of Canada. This edition supersedes all previous editions.

Details on individual stations and related records, as well as recent data which have not yet been published or indexed may be available as unpublished data. Examples of the unpublished data sheets can be found in Appendix 1. These data may be obtained upon application to one of the following:

|                                                                                                                                                                            |                                                                                                                                                                                                           |
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# INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente l'édition 1988 de l'Index de référence des données sur les sédiments, recueillies jusqu'au 31 décembre 1988, par la Division des relevés hydrologiques du Canada. Cette édition annule toutes les éditions précédentes.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées (se référer à l'Annexe 1 pour des exemples de feuilles de données inédites) ou intégrées à l'Index de référence :

|                                                                                                                                                                                   |                                                                                                                                                                                                                               |
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Information may also be obtained from the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819) 997-1508.

This Reference Index includes a tabulation of stations operated by the *ministère de l'Environnement du Québec*. The user who wishes more detailed information should apply to the Director, *Service de l'hydrométrie du Québec*, at the following address:

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On peut encore s'adresser au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario) K1A 0H3 [(819) 997-1508] pour obtenir les renseignements précités.

On trouve dans cet *Index de référence* des tables pour les stations du ministère de l'Environnement du Québec. On peut obtenir des renseignements en s'adressant au Directeur, Service de l'hydrométrie du Québec, à l'adresse suivante :

#### HISTORY AND OBJECTIVES OF SEDIMENT SURVEYS IN CANADA

In Canada, investigations of sediment transported by streams were first undertaken by individual organizations or agencies in 1948, to meet the needs of federal and provincial agencies for assessment of particular projects. Although the investigations were extended to meet expanding needs after 1948, it was not until 1961 that a systematic survey was undertaken by the Water Resources Branch.

The sediment survey program has the following objectives:

- (1) Collection and provision of data related to sediment transport in Canadian rivers for applications in water resource engineering, water quality and environmental studies.
- (2) Provision of information and advice related to sediment transport.
- (3) Assessment, improvement and standardization of equipment and techniques used in Canada's sediment survey program.

#### HISTORIQUE ET OBJECTIFS DES ÉTUDES DES SÉDIMENTS AU CANADA

Au Canada, les études dans ce domaine ont débuté en 1948 en réponse aux besoins exprimés par certains organismes fédéraux et provinciaux pour l'évaluation de projets donnés et étaient le fait d'organismes privés. Bien que les études se soient poursuivies après 1948 pour satisfaire les besoins accrus, ce n'est qu'en 1961 que la Direction des ressources en eau les a entreprises de façon systématique.

Les buts de ces études sont les suivantes :

- 1) réunir et produire des données sur les transports solides dans les cours d'eau canadiens, données dont on peut avoir besoin pour des études concernant l'environnement, la qualité des eaux et la conception de projets portant sur les ressources en eau;
- 2) produire des informations concernant les transports solides et donner des conseils à ce sujet;
- 3) évaluer, améliorer et uniformiser les techniques et le matériel employés dans le programme d'étude des sédiments au Canada.

## CO-OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Data have been mutually exchanged and suspended sediment collection operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain sediment stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining sediment survey records, the Water Survey of Canada is indebted to many organizations. The names of these organizations are given in the annual Sediment Data publication and those who contributed data are listed on page xii herein.

## DEFINITION OF TERMS

The following definitions are given to clarify the terms used in this publication:

*Automatic pump sample* is an individual water-sediment mixture pumped from a fixed point in a stream.

*Bed load* is that material moving in almost continuous contact with the streambed, being rolled or pushed along the bottom by the force of the water.

*Bed material* is the sediment mixture of which the streambed is composed.

*Daily load* is the suspended sediment load expressed in tonnes for a particular day. The daily load is obtained by multiplying the daily mean sediment concentration (mg/L) by the daily mean discharge ( $m^3/s$ ) and the conversion factor, 0.0864.

*Daily mean concentration* is a time-weighted mean value and is computed from a manually constructed concentration curve. The mean concentration value may be determined arithmetically or graphically. The arithmetic mean is obtained either by (1) selecting values from the concentration graph that represents uniform intervals of time and taking the arithmetic average or by (2) selecting values from the graph that represent unequal intervals of time and weighing these values by the time intervals represented by the concentrations. For graphical explanation refer to *Office Procedures for Sediment Data Computations* and for the automated graphical explanation refer to *Automated Hydrometric Computation Procedures*.

## COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données sur les sédiments, et l'assistance fournie par certains organismes a facilité les activités d'échantillonnage des sédiments en suspension.

En ce qui concerne les eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) à la suite d'un accord conclu avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «stations internationale de jaugeage» dans la présente publication.

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration qu'ils lui ont apportées lors de la prise des relevés sur les sédiments. On trouvera les noms de ces organismes dans les publications annuelles des *Données sur les sédiments*; les noms des organismes qui ont fourni des données apparaissent à la page xii de l'Index.

## DÉFINITION DES TERMES

Les définitions suivantes sont présentées afin de faciliter la compréhension des termes utilisés dans la présente publication :

*Echantillonnage automatique à l'aide d'une pompe* (Automatic pump sample): Prélèvement d'un mélange de sédiments et d'eau au moyen d'une pompe fonctionnant automatiquement, en un point précis d'un cours d'eau.

*Charriage* (Bed load): Matières roulées ou poussées sur le fond sous l'action de l'eau, mais restant en contact presque permanent avec le fond.

*Matériau du lit* (Bed material): Mélange de sédiments composant le lit d'un cours d'eau.

*Débit journalier des sédiments en suspension* (Daily load): Débit des sédiments en suspension exprimé en tonnes par jour, pour une journée donnée. On l'obtient en multipliant la concentration journalière moyenne des sédiments (mg/L) par le débit journalier moyen de l'eau ( $m^3/s$ ) et le facteur de conversion 0.0864.

*Concentration journalière moyenne* (Daily mean concentration): Moyenne pondérée en fonction du temps, calculée à partir d'une courbe de la concentration établie manuellement. La valeur de la concentration moyenne peut être déterminée arithmétiquement ou graphiquement. Pour la déterminer arithmétiquement, on peut soit choisir sur la courbe des valeurs représentant des intervalles uniformes de temps et faire la moyenne arithmétique, soit choisir sur cette courbe des valeurs qui représentent des intervalles inégaux de temps et pondérer ces valeurs en fonction des intervalles de temps correspondants. En ce qui concerne les méthodes graphiques, consulter *Méthodes de bureau pour les calculs de données sur les sédiments* et, pour la méthode automatisée, *Automated Hydrometric Computation Procedures*.

*Depth-integrated sediment sample* is a suspended sediment sample collected at a single vertical in a cross section in a sampler moving vertically at a constant transit rate and represents an average sample for that part of the depth ranging from the water surface to about nine centimetres above the streambed.

*Instantaneous suspended sediment sample* is a sample collected at a fixed vertical in a river cross section.

*Measured suspended sediment discharge* is the suspended sediment discharge that can be computed from stream discharge and the concentration of sediment determined from depth-integrated sediment samples.

*Particle-size analysis* is the process of determining the size distribution of particles in a sediment sample.

*Point-integrated sediment sample* is a sample of the water-sediment mixture taken over a specified period of time at a fixed point and depth in a river cross section.

*Sediment* is fragmental material which has deposited, eroded or transported by a flowing stream.

*Sediment hydrograph* is a graph showing the variation of suspended sediment concentration or sediment discharge with respect to time.

*Single sample* is a sample taken at a selected permanent vertical in a cross section. Two bottles of water-sediment mixture make up each single sample.

*Single sampling vertical* is a selected permanent vertical in a cross section in which single suspended sediment samples are collected.

*Suspended sediment* is sediment that moves in suspension in water either as a colloid or through the influence of the upward component of turbulent currents.

*Suspended sediment concentration* is the ratio of the weight of dry solids in a water-sediment mixture to the volume of the mixture. The units of this ratio are "milligrams per litre" (mg/L).

*Suspended sediment load* is the quantity of suspended sediment transported through a cross section per unit of time.

*Total sediment load* is the sum of the suspended sediment load and the bed load.

*Unmeasured sediment load* is the difference between total sediment load and measured suspended sediment load.

*Échantillon intégré sur toute la profondeur* (Depth integrated sediment sample): Échantillon des sédiments en suspension prélevé sur une verticale précise d'une section transversale d'un cours d'eau à l'aide d'un échantillonneur se déplaçant verticalement à une vitesse constante; il représente un échantillon moyen des matières en suspension entre la surface de l'eau et environ 9 cm du fond.

*Échantillon instantané de sédiments en suspension* (Instantaneous suspended sediment sample): Échantillon prélevé à une verticale précise d'une section transversale d'un cours d'eau.

*Débit mesuré des sédiments en suspension* (Measured suspended sediment discharge): Débit des sédiments en suspension qui peut être calculé à partir du débit du cours d'eau et de la concentration des sédiments déterminée à partir d'échantillons intégrés sur toute la profondeur.

*Analyse granulométrique* (Particle-size analysis): Détermination de la répartition de la taille des particules dans un échantillon de sédiments.

*Échantillon ponctuel et intégré* (Point-integrated sediment sample): Échantillon constitué d'un mélange d'eau et de sédiments, prélevé au cours d'une période de temps donnée en un point précis d'une section transversale d'un cours d'eau et à une profondeur donnée.

*Sédiments* (Sediment): Matières fragmentaires qui ont été déposées, érodées ou transportées par un cours d'eau.

*Hydrogramme des sédiments* (Sediment hydrograph): Graphique représentant la variation de la concentration des sédiments en suspension ou du débit des sédiments en fonction du temps.

*Échantillon unique* (Single sample): Échantillon prélevé sur une verticale permanente particulière dans une section transversale. Deux bouteilles du mélange eau-sédiments constituent un seul échantillon.

*Verticale d'échantillonnage unique* (Single sampling vertical): Verticale permanente d'une section transversale où des échantillons uniques de sédiments en suspension sont prélevés.

*Sédiments en suspension* (Suspended sediment): Matériaux qui se déplacent dans l'eau, soit sous forme colloïdale, soit sous l'influence des forces ascendantes des courants turbulents.

*Concentration des sédiments en suspension* (Suspended sediment concentration): Rapport entre le poids des matières solides sèches contenues dans un mélange eau-sédiments et le volume du mélange. Les unités employées sont les «milligrammes par litre» (mg/L).

*Débit des sédiments en suspension* (Suspended sediment load): Quantité de sédiments en suspension transportés par unité de temps à travers une section transversale d'un cours d'eau.

*Débit total des sédiments* (Total sediment load): Somme du débit des sédiments en suspension et du débit charrié.

*Débit non mesuré des sédiments* (Unmeasured sediment load): Différence entre le débit total des sédiments et le débit mesuré des sédiments en suspension.

## PUBLICATION OF SEDIMENT DATA

Sediment data have been published in a variety of formats since the beginning of the Sediment Survey Program.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units.

Commencing with 1984, the *Sediment Data* were published in a new format (Appendix 2) wherein Canada was divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units. This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

## PUBLICATION DES DONNÉES SUR LES SÉDIMENTS

Depuis le début du programme d'étude des sédiments, la présentation des données a varié.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international.

En 1984, la présentation des *Données sur les sédiments* a été modifiée (Annexe 2). Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

La première édition de l'*Index de référence des données sur les sédiments* est publiée pour les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques du Canada y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international. L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications, intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes*, renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international. Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.



## EXPLANATION OF REFERENCE INDEX

The main body of this Index is a tabulation of stations showing the station number and name, type of operation, suspended sediment (concentration and loads), dissolved solids, water temperature, particle size (point and depth integrating), bed load (volume or load, and particle size) and bed material particle size.

The latitude, longitude, land description and drainage area of the stations are included. An estimate of the total number of samples collected during the period of record and any remarks to indicate that special conditions exist at the station are also given. The names of rivers for which sediment data are available are listed by station number order and alphabetical order in the indices at the back of the book.

This Reference Index has been subdivided alphabetically by province or territory and the station names are listed alphabetically.

Explanation for each heading in the main tabulation are as follows:

### Station No:

Each sediment station has been assigned a unique seven-character identification similar to that of the gauging stations. The station numbering system begins with the division of Canada into eleven major groups of river basins. These divisions are subdivided following heights of land within the division with a letter assigned to each subdivision. Each subdivision is further divided on drainage basin boundaries and assigned a second letter, e.g. 5BD. Stations in this sub-subdivision are then assigned further numbers in chronological order of their establishment, independent of their stream order. Thus, using the seven-character identification system, 05BD007 is the seventh station established in sub-subdivision 5BD; 11AA033 is the thirty-third station established in sub-subdivision 11AA, and so on. Coloured maps showing the location of both the active and the discontinued sediment and streamflow stations are available and will be provided in a separate Map Supplement.

### Name:

Each station has been given a name which is used for identification and publication purposes. Former names which were used are not shown in this Index.

### Type of Operation:

This indicates whether the records were obtained by manual sampling (M) pump sampler (P) or dual manual sampling and pump sampler (D).

The manual samples are collected primarily by a hired observer at a given sampling vertical in a river cross section.

The pump sampling provides instantaneous samples collected automatically at a fixed depth at one point in a cross section.

## EXPLICATION DE L'INDEX DE RÉFÉRENCE

L'Index de référence est surtout constitué de tableaux indiquant le numéro et le nom des stations, le type d'exploitation, les sédiments en suspension, les concentrations et les charriages, les matières dissoutes, la température de l'eau, la granulométrie (point et profondeur d'intégration), le charriage de fond (volume ou charriage, et granulométrie) ainsi que la granulométrie des matériaux de fond.

Il comprend aussi la latitude, la longitude, la description du terrain et la superficie du bassin versant où sont installées les stations. On y trouve une évaluation du nombre total d'échantillons prélevés pendant la période d'échantillonnage et toute remarque concernant les conditions spéciales qui peuvent survenir à la station. Les noms des rivières pour lesquelles des données sur les sédiments sont disponibles sont énumérés par ordre alphabétique et selon le numéro de la station dans les annexes à la fin de la publication.

Cet index de référence est divisé alphabétiquement par province et territoire. Les noms des stations y figurent aussi par ordre alphabétique.

L'explication de chaque titre du tableau principal est la suivante :

### Nº de la station (Station No.):

Chaque station de jaugeage des sédiments est identifiée par un numéro formé de sept caractères ou chiffres. Le système de numérotation des stations comporte tout d'abord la division du Canada en onze principaux groupes de bassins versants. Ces divisions sont ensuite réparties en fonction de l'altitude du sol à l'intérieur de la division; on utilise une lettre à cette fin. Chaque subdivision est ensuite partagée en fonction des limites du bassin versant; on utilise alors une autre lettre, p. ex., 5BD. Les stations qui s'y trouvent sont numérotées chronologiquement en fonction de la date de leur création, mais indépendamment de l'ordre qu'elles occupent sur le cours d'eau. Ainsi, 05BD007 représente la septième station créée dans la sous-subdivision 5BD, et 11AA033 représente la trente-troisième station créée dans la sous-subdivision 11AA, etc. Des cartes en couleur montrant l'emplacement des stations d'étude des sédiments et des stations de jaugeage, existantes et abandonnées, sont disponibles et peuvent être obtenues séparément dans un Supplément de cartes.

### Nom (Name):

Chaque station porte un nom qui est utilisé à des fins d'identification et de publication. Les noms employés précédemment n'apparaissent pas dans l'Index.

### Type d'exploitation (Type of Operation):

Ce titre indique si les échantillons sont obtenus par un échantillonnage manuel (M), par un échantillonneur de pompage (P) par un procédé double d'échantillonnage manuel et d'échantillonneur de pompage (D).

Les échantillons manuels sont surtout prélevés par un observateur embauché à cette fin à une verticale d'échantillonnage donnée de la coupe transversale de la rivière.

Par pompage, on obtient des échantillons instantanés prélevés à une profondeur déterminée en un point de la section transversale d'un cours d'eau.

If the available data have changed during the period of record a new line will appear giving the year of data under the proper column heading.

If continuous records or data are available for the entire year, the symbol "C" will appear opposite the appropriate symbol for the method of sampling. If the records have been collected on a seasonal or part-year basis, the symbol "S" is used. If only miscellaneous or instantaneous concentration data, collected on an ad hoc basis are available for some years, this is identified by the symbols "MS".

#### Suspended Sediment:

This is divided into sub-headings: "Concentration Data", "Loads", "Dissolved Solids", "Water Temperature", and "Particle Size".

##### *Concentration Data:*

This gives the years for which instantaneous concentration data, in milligrams per litre, are available, e.g. 1971-73 indicates that instantaneous concentrations are available for the years 1971, 1972 and 1973.

##### *Loads:*

This gives the years for which daily mean loads are available either for partial or continuous months for the years of record, e.g. 1976-78 indicates that daily mean sediment loads in tonnes per day are available for the years 1976, 1977 and 1978.

##### *Dissolved Solids:*

This gives the years for which dissolved solids data are available, e.g. 1977-78 indicates that some dissolved solids data in milligrams per litre are available. Details on missing years of data, as well as more recent data which have not yet been published or indexed may be obtained upon application to the appropriate region.

##### *Water Temperature:*

This gives the years for which water temperatures in degrees Celsius have been observed in the stream cross section during flow measurements or during the collection of suspended sediment samples at the single vertical.

##### *Particle Size:*

This is divided into two sub-headings: "Point" for point integrating and "Depth" for depth integrating. The years for which particle-size data are available are indicated, e.g. 1975-80 indicates that particle-size data in percent are available for the years 1975 to 1980.

Si les données disponibles changent pendant la période d'échantillonnage, une nouvelle ligne apparaîtra et donnera l'année des données sous le titre d'une nouvelle colonne.

Si des échantillons ou des données continus sont disponibles pour toute l'année, le symbole «C» apparaîtra en face du symbole indiquant la méthode d'échantillonnage. Si les échantillons sont prélevés sur une base saisonnière ou à une certaine période de l'année, on utilisera le symbole «S». Si les données sur les concentrations relatives à un prélèvement effectué pour répondre à un besoin précis, sont diverses ou instantanées et disponibles pour certaines années seulement, on indiquera le symbole «M».

#### Sédiments en suspension (Suspended Sediments):

Sous ce titre, on trouve les rubriques : «Données sur les concentrations», «Charriages», «Matières solides à l'état dissous», «Température de l'eau» et «Granulométrie».

##### *Données sur les sédiments (Concentration Data):*

Sous ce titre, on donne les années pour lesquelles il existe des données sur les concentrations instantanées, exprimées en milligrammes par litre (p. ex., 1971-1973 indique que les concentrations instantanées sont disponibles pour 1971, 1972 et 1973).

##### *Charriages (Loads):*

Sous ce titre, on trouve les années durant lesquelles les charriages moyens quotidiens sont disponibles soit pour les mois partiels, soit pour les mois continus durant les années considérées (p. ex., 1976-1978 signifie que les charriages quotidiens moyens de sédiments, en tonnes et par jour, sont disponibles pour 1976, 1977 et 1978).

##### *Matières solides à l'état dissous (Dissolved Solids):*

Sous ce titre, on trouve les années pour lesquelles les données sur les matières solides à l'état dissous sont disponibles (p. ex., 1977-1978 signifie que des données sur certaines matières solides à l'état dissous, en milligrammes par litre, sont disponibles. Pour obtenir des précisions sur les données des années qui manquent et sur les données plus récentes qui ne sont pas encore publiées ou répertoriées, on peut s'adresser à la région à laquelle on s'intéresse.

##### *Température de l'eau (Water Temperature):*

Sous ce titre, on trouve les années pour lesquelles on a mesuré la température de l'eau en degrés Celsius, dans une section transversale, lors des mesures du débit ou lors des prélèvements à la verticale d'échantillons de sédiments en suspension.

##### *Granulométrie (Particle Size):*

Sous ce titre, on trouve deux sous-titres : «Point» pour l'intégration ponctuelle et «Profondeur» pour l'intégration en profondeur. On indique les années pour lesquelles les données sur la granulométrie sont disponibles (p. ex., 1975-1980 que les données sur la granulométrie exprimées en pourcent sont disponibles pour les années allant de 1975 à 1980).

#### Bed Load:

This is divided into sub-headings "Volume or Loads" and "Particle Size".

##### *Volume or Loads:*

This gives the years for which bed load data are available, e.g. 1970-73V indicates that bed load records in cubic metres were obtained during the years 1970 to 1973. These data are identified by the symbol "V" to indicate that the bed load records were obtained by the Volumetric Method. If no symbol appears this would mean that the bed load for the period of record on file are in tonnes.

##### *Particle Size:*

This indicates the years for which particle size data are available, e.g. 1972-74 indicates that bed load particle size data in percent are available for the years 1972 to 1974.

#### Bed Material Particle Size:

This indicates the years for which particle size data are available, e.g. 1971-72 indicates that bed material particle size data in percent are available for the years 1971 and 1972.

#### Latitude and Longitude:

The location of the gauge is given in terms of the coordinates of latitude and longitude. A more detailed description of the location is available from the Regional Office responsible for the operation of the station.

#### Land Description:

The legal land description of the quarter section in which the gauge is located is given for the three prairie provinces. This land description locates the gauge within a square whose sides measure one-half of a mile. Space limitations have necessitated the use of an abbreviation of the description, thus SW22-05-08-W4 is in the southwest quarter section 22, township 5, range 8, west of the fourth meridian.

#### Drainage Area:

The latest available drainage area in square kilometres is given for streamflow stations. In most cases this is the drainage area upstream from the gauge location. Usually the gauge location is adjacent to the discharge or sediment measurement section and the same drainage area may be used for both.

#### Total Number of Samples:

The total number of samples represents an estimate of the number of samples for each particular type of data that is on file in Ottawa. Data which have not yet been published may be obtained upon application to the Regional Chief. See Appendix 1 for examples and an explanation of the Laboratory hard copy sheets. As the instantaneous file is updated, for the past years of record, this number will indicate the actual number of samples taken.

#### Charrriage du lit (Bed Load):

Sous ce titre, on trouve deux sous-titres : «Volume ou charriages» et «Granulométrie».

##### *Volume ou charriages (Volume or Loads):*

On trouve les années pour lesquelles les données sur le charriage de fond sont disponibles (p. ex., 1970-1973V indique que les valeurs du charriage de fond, exprimées en mètres cubes, ont été obtenues de 1970 à 1973). Ces données sont identifiées par le symbole «V» pour indiquer que les valeurs du charriage de fond ont été obtenues grâce à la méthode volumétrique. S'il n'y a pas de symbole, le charriage de fond pour la période envisagée s'exprime en tonnes.

##### *Granulométrie (Particle Size):*

On indique les années pour lesquelles les données granulométriques sont disponibles (p. ex., 1972-1974 signifie que les données granulométriques du charriage de fond, exprimées en pourcent, sont disponibles pour la période allant de 1972 à 1974).

#### Granulométrie des matériaux du lit (Bed Material Particle Size):

On donne les années pour lesquelles on dispose de données granulométriques (p. ex., 1971-1972 signifie que les données granulométriques des matériaux de fond, exprimées en pourcent, sont disponibles pour 1971 et 1972).

#### Latitude et Longitude (Latitude and Longitude):

La latitude et la longitude de la station de jaugeage sont indiquées. Il est possible d'obtenir une description plus détaillée de l'emplacement en s'adressant au bureau régional dont dépend la station.

#### Description du terrain (Land Description):

La description foncière juridique du quart-section dans lequel se trouve la jauge est disponible pour les trois provinces des Prairies. La description du terrain permet de situer la jauge à l'intérieur d'un carré d'un demi-mille de côté. L'espace disponible étant limité, il a été nécessaire d'utiliser une abréviation; ainsi, SW22-05-08-W4 signifie carré sud-ouest 22, township 5, rang 8, à l'ouest du quatrième méridien.

#### Superficie du bassin versant (Drainage Area):

Il s'agit de la superficie du bassin versant, en kilomètres carrés, déterminée d'après les cartes les plus récentes. Dans la majorité des cas, elle représente la superficie de drainage située en amont de la jauge. La jauge est normalement adjacente à la section de mesure des débits, ou des sédiments, et la même superficie de drainage peut être utilisée pour les deux.

#### Nombre total d'échantillons (Total Number of Samples):

Le nombre total d'échantillons représente une évaluation du nombre d'échantillons pour chaque type précis de données conservées à Ottawa. On peut obtenir les données qui ne sont pas encore publiées, en s'adressant au chef du bureau régional. Voir Annexe 1 pour les exemples et une explication des fac-similés de laboratoire. Puisqu'on met à jour les données instantanées, ce nombre indiquera le nombre actuel d'échantillons prélevés pour l'évaluation des années précédentes.



#### Remarks:

The remarks are used to indicate that special conditions exist at the station, or that other data are available. Three standard remarks are indicated where applicable. These are:

*Natural Flow or Regulated Flow Since 19...* — where the flow is known to be natural, this is indicated by "NATURAL FLOW". The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known, e.g. REGULATED SINCE 1935.

*Data Contributed by ...* — where data for a station have been supplied partially or in their entirety by an outside agency, a code for the name of this co-operating agency is given, e.g. DC500. A list of the contributing agencies and their codes follow:

| Code | Name                                             |
|------|--------------------------------------------------|
| 010  | Alberta Department of the Environment            |
| 016  | Alberta Oil Sands Environmental Research Program |
| 017  | Alberta Research Council                         |
| 055  | British Columbia Ministry of Environment         |
| 070  | British Columbia Ministry of Forests             |
| 075  | British Columbia Hydro and Power Authority       |
| 390  | Manitoba Water Resources Division                |
| 485  | Ontario Ministry of the Environment              |
| 500  | Prairie Farm Rehabilitation Administration       |
| 515  | Prince Edward Island Environmental Control Comm. |
| 545  | Saskatchewan Department of the Environment       |
| 588  | Transalta Utilities Corporation                  |
| 600  | United States Geological Survey                  |
| 610  | University of Alberta                            |
| 740  | Ministère de l'Environnement du Québec           |

*International Gauging Station* — refers to stations located, on waters adjacent to the international boundary in Canada or the U.S.A.

#### APPENDICES

Three appendices are provided to: (1) inform readers of the existence and form of the basic unpublished data documents; (2) illustrate the types and forms of the published data; and (3) provide titles of published reports relating to sediment survey activities.

#### ACCURACY OF FIELD DATA AND COMPUTED RESULTS

The overall accuracy and degree of reliability of the sediment data is dependent upon many factors. Some of the more important of these are:

- accuracy and reliability of streamflow records;
- regime of the river;
- type of sampling equipment used to collect the suspended sediment samples;

#### Remarques (Remarks):

Les remarques visent à préciser qu'il existe des conditions spéciales à la station ou qu'il y a d'autres données disponibles. Trois remarques principales sont mentionnées lorsqu'on peut les utiliser, ce sont :

*Débit naturel ou régularisé depuis 19...* (Natural Flow or Regulated Flow Since 19...) — L'expression «DÉBIT NATUREL» dénote que le débit est naturel. Le débit de nombreux réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependant, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue), p. ex. RÉGLEMENTATION DEPUIS 1935.

*Données fournies par ...* (Data Contributed by ...) — L'expression précise qu'un organisme extérieur a fourni une partie ou la totalité des données d'une station. On donne un numéro de code (p. ex., DC500) à chacun des organismes. La liste des noms et des codes des organismes ayant apporté leur collaboration suit :

| Code | Nom                                                                                         |
|------|---------------------------------------------------------------------------------------------|
| 010  | Ministère de l'Environnement de l'Alberta                                                   |
| 016  | Programme de recherches sur l'environnement dans la région des sables bitumeux de l'Alberta |
| 017  | Conseil de recherches de l'Alberta                                                          |
| 055  | Ministère de l'Environnement de la Colombie-Britannique                                     |
| 070  | Ministère des Forêts de la Colombie-Britannique                                             |
| 075  | British Columbia Hydro and Power Authority                                                  |
| 390  | Direction des ressources en eau du Manitoba                                                 |
| 485  | Ministère de l'Environnement de l'Ontario                                                   |
| 500  | Administration du rétablissement agricole des Prairies                                      |
| 515  | Commission de surveillance de l'environnement de l'Île-du-Prince-Édouard                    |
| 545  | Ministère de l'Environnement de la Saskatchewan                                             |
| 588  | Transalta Utilities Corporation                                                             |
| 600  | United States Geological Survey                                                             |
| 610  | University of Alberta                                                                       |
| 740  | Ministère de l'Environnement du Québec                                                      |

*Stations internationales de jaugeage* (International Gauging Station) — stations situées au Canada ou aux États-Unis dans les eaux limitrophes internationales.

#### ANNEXES

L'Index renferme également trois annexes qui visent à : (1) informer le lecteur de l'existence et de la forme des documents de base où l'on peut consulter les données inédites; (2) illustrer les types et formes de données inédites; (3) fournir les titres de rapports publiés au sujet des activités relatives à l'étude des sédiments.

#### EXACTITUDE DES DONNÉES ET DES RÉSULTATS

L'exactitude des données sur les sédiments dépend de nombreux facteurs. On peut citer, parmi les plus importants :

- l'exactitude des données sur les débits;
- le régime du cours d'eau;
- le type d'appareil d'échantillonnage utilisé pour prélever les échantillons de sédiments en suspension;

- (d) frequency of suspended sediment discharge measurements;
- (e) frequency of individual sampling;
- (f) quality of the relationship between the average suspended sediment concentration in the cross section and the concentration of the individual samples;
- (g) frequency and method of bed material sampling;
- (h) frequency and method of bed load measurements;
- (i) accuracy and reliability of the laboratory analysis;
- (j) selected methods of computation of the suspended sediment discharge;
- (k) interpretation and extrapolation of sediment records.

An assessment of the quality of the records can be made by an examination of the occurrence of the symbol (S) on the daily mean concentrations.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those records obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

#### REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when the data were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway.

Revisions to daily discharges or sediment data are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. Revisions, corrections or additions made to discharges and sediment after January 1, 1980, are indicated by an "R" symbol in the data summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

#### MICROFICHE

All sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

- d) la fréquence des mesures du débit des sédiments en suspension;
- e) la fréquence des échantillonnages isolés;
- f) la qualité du rapport entre la concentration moyenne des sédiments en suspension dans une section transversale et la concentration des échantillons isolés;
- g) la fréquence des échantillonnages des matériaux de fond et la méthode utilisée;
- h) la fréquence des mesures du charriage de fond et la méthode utilisée;
- i) l'exactitude des analyses de laboratoire;
- j) les méthodes de calcul du débit des sédiments en suspension;
- k) l'interprétation et l'extrapolation des données sur les sédiments.

La qualité des données peut être évaluée d'après la fréquence d'utilisation du symbole (S), avec les données sur la concentration journalière moyenne.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas des petits cours d'eau ou des cours d'eau à crues très rapides.

#### RÉVISIONS

On a corrigé ou révisé des données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou des erreurs de calcul lorsqu'on a enregistré les données sur rubans magnétiques et qu'on a recalculé les moyennes mensuelles à l'aide d'un ordinateur. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de certaines données de base au cours de la révision systématique des données historiques sur le débit, actuellement en cours.

Les corrections apportées aux débits journaliers ou aux données sur les sédiments ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont indiquées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données révisées sur les débits mensuels et annuels moyens et les extrêmes annuels du débit. Les révisions, corrections ou ajouts apportés aux données sur les débits et sur les sédiments après le 1<sup>er</sup> janvier 1980 sont indiqués par la lettre R dans les résumés des données. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

#### MICROFICHE

Toutes les données sur les sédiments sont disponibles sur microfiche en unités métriques. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48 fois. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, la première et la dernière année des données ainsi que le mois et l'année de création de la fiche. La dernière image donne l'index de la fiche.

## EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units.

1 inch equals 2.54 cm (centimetres)  
1 foot equals 0.3048 m (metre)  
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch  
1 m (metre) equals 3.2808 feet  
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet  
1 acre equals 0.404 69 ha (hectare)  
1 square mile equals 640 acres  
1 square mile equals 2.5900 km<sup>2</sup> (square kilometres)  
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m<sup>2</sup> (square metres)  
1 ha (hectare) equals 2.4710 acres  
1 km<sup>2</sup> (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons  
1 imperial gallon equals 4.546 09 L (litres)  
1 imperial gallon equals 1.2010 U.S. gallons  
1 U.S. gallon equals 0.133 68 cubic foot  
1 cubic foot equals 0.028 317 m<sup>3</sup> (cubic metre)  
1 m<sup>3</sup> (cubic metre) equals 35.315 cubic feet  
1 dam<sup>3</sup> (cubic decametre) equals 1000 m<sup>3</sup> (cubic metres)  
1 dam<sup>3</sup> (cubic decametre) equals 1 mm (millimetre) over 1 km<sup>2</sup> (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet  
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch  
1 acre-foot equals 1.2335 dam<sup>3</sup> (cubic decametres)  
1 m<sup>3</sup>/s (cubic metre per second) for one day equals 86.4 dam<sup>3</sup> (cubic decametre)  
1 m<sup>3</sup>/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour  
1 mile per hour equals 1.467 feet per second  
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)  
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m<sup>3</sup>/s (cubic metre per second)  
1 m<sup>3</sup>/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)  
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)  
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)  
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

## ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités.

1 pied cube vaut 6.2288 gallons impériaux  
1 gallon impérial vaut 4.546 09 L (litres)  
1 gallon impérial vaut 1.2010 gallon américain

1 cm (centimètre) vaut 0.393 70 pouce  
1 m (mètre) vaut 3.2808 pieds  
1 km (kilomètre) vaut 0.621 37 mille

1 acre vaut 43 560 pieds carrés  
1 acre vaut 0.404 69 ha (hectare)  
1 mille carré vaut 640 acres  
1 mille carré vaut 2.5900 km<sup>2</sup> (kilomètres carrés)  
1 mille carré vaut 259.0 ha (hectares)

1 ha (hectare) vaut 10 000 m<sup>2</sup> (mètres carrés)  
1 ha (hectare) vaut 2.4710 acres  
1 km<sup>2</sup> (kilomètre carré) vaut 0.386 10 mille carré

1 pied cube vaut 6.2288 gallons impériaux  
1 gallon impérial vaut 4.546 09 L (litres)  
1 gallon impérial vaut 1.2010 gallon américain  
1 gallon américain vaut 0.133 68 pied cube  
1 pied cube vaut 0.028 317 m<sup>3</sup> (mètre cube)  
1 m<sup>3</sup> (mètre cube) vaut 35.315 pieds cubes  
1 dam<sup>3</sup> (décamètre cube) vaut 1000 m<sup>3</sup> (mètres cubes)  
1 dam<sup>3</sup> (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km<sup>2</sup> (kilomètre carré)

1 pied cube par seconde pendant un jour vaut 1.9835 acre-pied  
1 pied cube par seconde pendant un jour couvre un volume d'un mille carré par 0.037 19 pouce  
1 acre-pied vaut 1.2335 dam<sup>3</sup> (décamètre cube)  
1 m<sup>3</sup>/s (mètre cube par seconde) pour un jour vaut 86.4 dam<sup>3</sup> (décamètres cubes)  
1 m<sup>3</sup>/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde vaut 0.6818 mille par heure  
1 mille par heure vaut 1.467 pied par seconde  
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètres par heure)  
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde vaut 0.028 317 m<sup>3</sup>/s (mètre cube par seconde)  
1 m<sup>3</sup>/s (mètre cube par seconde) vaut 35.315 pieds cubes par seconde

1 livre vaut 0.453 59 kg (kilogramme)  
1 kg (kilogramme) vaut 2.2046 livres

1 tonne courte (2000 livres) vaut 0.907 18 t (tonne)  
1 t (tonne) vaut 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)  
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

**APPENDIX 1**  
**UNPUBLISHED DATA SHEETS**

**ANNEXE 1**  
**FEUILLES DE DONNÉES INÉDITES**





## APPENDIX 1

### UNPUBLISHED DATA SHEETS

Sediment summary sheets for recent data are available, upon request, as unpublished data sheets. These provisional sheets are the Field Notes and Laboratory Analysis Results, Laboratory Work Sheet and the computer output for the Bottom Withdrawal Tube particle size analysis.

FIGURE 1: SEDIMENT SURVEY FIELD NOTES AND LABORATORY ANALYSIS RESULTS

The left portion of this form is completed in the field and contains information on the sediment samples at the time of collection. The right portion is the results as determined in the laboratory during the analysis.

FIGURE 2: LABORATORY WORK SHEET FOR TOTAL CONCENTRATION ANALYSIS

This work sheet gives the information used in the analysis of the sediment samples.

FIGURE 3: BOTTOM WITHDRAWAL TUBE PARTICLE SIZE ANALYSIS

This computer generated sheet is available for each suspended sediment sample that is analyzed for particle size distribution.

## ANNEXE 1

### FEUILLES DE DONNÉES INÉDITES

Les sommaires des données récentes sur les sédiments sont disponibles, sur demande, sous forme de feuilles de données inédites. Ces feuilles provisoires sont les notes prises sur le terrain, les résultats de l'analyse en laboratoire, la feuille de travail en laboratoire pour l'analyse de la concentration totale et la sortie imprimée représentant l'analyse particulière des tubes de prélèvement de fond.

FIGURE 1: NOTES PRISES SUR LE TERRAIN POUR LES ÉTUDES DES SÉDIMENTS ET RÉSULTATS DE L'ANALYSE EN LABORATOIRE

La partie de gauche de cette formule est remplie sur le terrain; elle contient des renseignements sur les échantillons des sédiments au moment du prélèvement. La partie de droite contient les résultats obtenus lors de l'analyse en laboratoire.

FIGURE 2: FEUILLE DE TRAVAIL EN LABORATOIRE POUR L'ANALYSE DE LA CONCENTRATION TOTALE

Cette feuille de travail donne les renseignements utilisés dans l'analyse des échantillons de sédiments.

FIGURE 3: ANALYSE PARTICULAIRE DES TUBES DE PRÉLÈVEMENT DE FOND

Cette feuille, produite par ordinateur, est disponible pour chaque échantillon de sédiments en suspension dont on analyse la répartition granulométrique.

| SEDIMENT SURVEY FIELD NOTES - CARNET D'OPERATIONS SUR LE RELEVÉ DES SEDIMENTS |                                                 |                              |      |                                |                              |                                          |                                           |                                                                               |                                      | LABORATORY ANALYSIS RESULTS<br>RÉSULTATS DES ANALYSES AU LABORATOIRE |                                                |                |                                                  |                                    |                               |                                  |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
|-------------------------------------------------------------------------------|-------------------------------------------------|------------------------------|------|--------------------------------|------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------|------------------------------------------------|----------------|--------------------------------------------------|------------------------------------|-------------------------------|----------------------------------|----------------------------------------|------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|----|----|----|----|-----|
| River Location<br>Emplacement du cours d'eau                                  |                                                 | Station No. 40 de la station |      | No. of boxes<br>Nbre de boîtes |                              | Date                                     |                                           | Environment Canada<br>Environnement Canada<br>Consignation et<br>Régist. labo |                                      |                                                                      |                                                |                |                                                  |                                    |                               |                                  |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| PEMBINA RIVER near Windygates                                                 |                                                 | 0508007                      |      | 4                              |                              | 84/07/15                                 |                                           | 1-1                                                                           |                                      |                                                                      |                                                |                |                                                  |                                    |                               |                                  |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| Observ                                                                        | Date                                            | Time                         | Temp | Gauge<br>Height<br>de lecture  | Vertical<br>Settling<br>Tube | River<br>Depth<br>Prof du<br>Cours d'eau | Sample<br>Depth<br>Prof du<br>Cours d'eau | Nozzle<br>Diameter<br>Diamètre<br>de l'orifice                                | Intake<br>Time<br>Durée<br>d'échant. | Sampler<br>Type<br>Type<br>d'échant.                                 | Sample<br>Number<br>Numéro<br>d'identification | Volume<br>(mL) | Total Dry<br>Weight<br>Poids<br>Sec Total<br>(g) | Total<br>Concn<br>Totale<br>(mg/L) | Corrected<br>Concn<br>Corrigé | Desashed<br>Matières<br>Désouées | Lab<br>Remarks<br>Remarques<br>du labo | PERCENT FINER IN MILLIMETERS<br>POURCENTAGE EN MILLIMÈTRES |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
|                                                                               |                                                 | Heure                        | °C   | m                              | cm                           | m                                        | m                                         | m                                                                             | min                                  |                                                                      |                                                |                |                                                  |                                    |                               |                                  |                                        | 002                                                        | 004 | 008 | 016 | 031 | 062 | 125 | 250 | 500 | 1 000 |    |    |    |    |     |
| WSC                                                                           | May 20                                          | 1815                         | 13.0 | 0.785                          | 40                           | 0.34                                     | 0.29                                      | L                                                                             | 20                                   | DI                                                                   | 9634 A                                         | 591            | 0.0148                                           | 25                                 |                               | 573                              |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| WSC                                                                           | May 21                                          | 1840                         | 19.0 | 0.760                          | 40                           | 0.32                                     | 0.27                                      | L                                                                             | 20                                   | DI                                                                   | 9635 A                                         | 623            | 0.0189                                           | 30                                 |                               | 590                              |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| WSC                                                                           | May 28                                          | 1220                         | 17.0 | 0.890                          | 40                           | 0.44                                     | 0.39                                      | L                                                                             | 26                                   | DI                                                                   | 9636 A                                         | 894            | 0.0244                                           | 27                                 |                               | 605                              |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| WSC                                                                           | Jun 3                                           | 1030                         | 14.0 | 0.787                          | 40                           | 0.34                                     | 0.29                                      | L                                                                             | 21                                   | DI                                                                   | 9637 A                                         | 610            | 0.0135                                           | 22                                 |                               | 606                              |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| WSC                                                                           | Jun 10                                          | 0915                         | 12.0 | 0.817                          | 40                           | 0.38                                     | 0.33                                      | L                                                                             | 21                                   | DI                                                                   | 9638 A                                         | 491            | 0.0159                                           | 32                                 |                               | ---                              |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| WSC                                                                           | Jun 16                                          | 1645                         | 25.0 | 0.961                          | 40                           | 0.51                                     | 0.46                                      | L                                                                             | 15                                   | DI                                                                   | 9639 A                                         | 617            | 0.5562                                           | 901                                |                               | 530                              |                                        |                                                            |     |     |     |     |     | 27  | 46  | 70  | 81    | 82 | 94 | 96 | 98 | 100 |
| WSC                                                                           | Jun 17                                          | 2115                         | 24.0 | 0.895                          | 40                           | 0.46                                     | 0.41                                      | L                                                                             | 15                                   | DI                                                                   | 9640 A                                         | 631            | 0.1085                                           | 172                                |                               | ---                              |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| WSC                                                                           | Jun 19                                          | 0845                         | 19.0 | 0.881                          | 40                           | 0.42                                     | 0.37                                      | L                                                                             | 16                                   | DI                                                                   | 9641 A                                         | 598            | 0.0682                                           | 114                                |                               | ---                              |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| WSC                                                                           | Jun 22                                          | 2010                         | 24.0 | 0.821                          | 40                           | 0.38                                     | 0.33                                      | L                                                                             | 21                                   | DI                                                                   | 9642 A                                         | 685            | 0.0555                                           | 81                                 |                               | 605                              |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| WSC                                                                           | Jun 24                                          | 1330                         | 23.0 | 0.803                          | 40                           | 0.36                                     | 0.31                                      | L                                                                             | 23                                   | DI                                                                   | 9643 A                                         | 688            | 0.0338                                           | 49                                 |                               | ---                              |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |
| Remarks                                                                       | Treated with 1 ml CuSO <sub>4</sub> per bottle. |                              |      |                                |                              |                                          |                                           |                                                                               |                                      |                                                                      | Checked by Verité par<br>Date Aug. 14 1984     |                |                                                  |                                    |                               |                                  |                                        |                                                            |     |     |     |     |     |     |     |     |       |    |    |    |    |     |

507 2100 (03-82) Whole cups to be enclosed in shipments - Organ cups retained by shipper

FIGURE 1: SEDIMENT SURVEY FIELD NOTES AND LABORATORY ANALYSIS RESULTS

ENVIRONMENT CANADA  
WATER RESOURCES BRANCH - WATER SURVEY OF CANADA

265  
(b. 75)

TOTAL CONCENTRATION ANALYSIS

STREAM PEMBINA RIVER LOCATION near Windygates STATION NO. 050B007  
TYPE OF SAMPLE DI DATE SAMPLE TAKEN 1984-05-20 to 1984-06-10

| SAMPLE NUMBER      | 9634 A                |         | 9635 A                |         | 9636 A                |         | 9637 A                |         | 9638 A                |         | 9639 A                |         |
|--------------------|-----------------------|---------|-----------------------|---------|-----------------------|---------|-----------------------|---------|-----------------------|---------|-----------------------|---------|
|                    | Gross Weight          | 690     | Gross Weight          | 700     | Gross Weight          | 830     | Gross Weight          | 687     | Gross Weight          | 622     | Gross Weight          | 603     |
| WEIGHT OF SAMPLE   | Tare Weight           | 370     | Tare Weight           | 368     | Tare Weight           | 370     | Tare Weight           | 371     | Tare Weight           | 367     | Tare Weight           | 365     |
|                    | Weight (Vol)          | 320     | Weight (Vol)          | 332     | Weight (Vol)          | 460     | Weight (Vol)          | 316     | Weight (Vol)          | 255     | Weight (Vol)          | 238     |
| DISSOLVED SOLIDS   | Total Sample Weight * | 591     | Total Sample Weight * | 623     | Total Sample Weight * | 894     | Total Sample Weight * | 610     | Total Sample Weight * | 491     | Total Sample Weight * | 491     |
|                    | Volume Used           | 100     | Volume Used           | 100     | Volume Used           | 100     | Volume Used           | 100     | Volume Used           | 100     | Volume Used           | 100     |
| WEIGHT OF SEDIMENT | Dish Number           | 52 X    | Dish Number           | 53 X    | Dish Number           | 54 X    | Dish Number           | 55 X    | Dish Number           | 56 X    | Dish Number           | 57 X    |
|                    | Gross Weight          | 44.4047 | Gross Weight          | 43.1073 | Gross Weight          | 45.0757 | Gross Weight          | 46.7194 | Gross Weight          | 46.6588 | Gross Weight          | 46.6588 |
| CONCENTRATION mg/l | Tare Weight           | 44.3474 | Tare Weight           | 43.0483 | Tare Weight           | 45.0152 | Tare Weight           | 46.6588 | Tare Weight           | 46.6588 | Tare Weight           | 46.6588 |
|                    | Net Weight            | 0.0573  | Net Weight            | 0.0590  | Net Weight            | 0.0605  | Net Weight            | 0.0606  | Net Weight            | 0.0606  | Net Weight            | 0.0606  |
| CONCENTRATION mg/l | Dish Number           | 2 I     | Dish Number           | 3 I     | Dish Number           | 4 I     | Dish Number           | 5 I     | Dish Number           | 6 I     | Dish Number           | 7 I     |
|                    | Gross Weight          | 31.6730 | Gross Weight          | 32.2117 | Gross Weight          | 31.6041 | Gross Weight          | 31.5133 | Gross Weight          | 31.9063 | Gross Weight          | 31.9063 |
| CONCENTRATION mg/l | Tare Weight           | 31.6582 | Tare Weight           | 32.1928 | Tare Weight           | 31.5797 | Tare Weight           | 31.4998 | Tare Weight           | 31.8904 | Tare Weight           | 31.8904 |
|                    | Net Weight            | 0.0148  | Net Weight            | 0.0189  | Net Weight            | 0.0244  | Net Weight            | 0.0135  | Net Weight            | 0.0159  | Net Weight            | 0.0159  |
| CONCENTRATION mg/l | Dish Number           | 25      | Dish Number           | 30      | Dish Number           | 27      | Dish Number           | 22      | Dish Number           | 32      | Dish Number           | 32      |
|                    | Gross Weight          | 690     | Gross Weight          | 700     | Gross Weight          | 830     | Gross Weight          | 687     | Gross Weight          | 622     | Gross Weight          | 603     |

\*Less CuSO4

Remarks:

Analyzed by CDN Date 1984-07-26

Computed by BAS Date 1984-07-30

Checked by DH Date 1984-07-30

FIGURE 2: LABORATORY WORK-SHEET FOR TOTAL CONCENTRATION ANALYSIS

SAMPLE IDENTIFICATION

STATION NAME: PEMBINA RIVER AT WINDYGATES  
STATION NUMBER: 050B007  
SAMPLE VERTICAL: 40  
DATE COLLECTED: JUN 16 1984  
SAMPLE TYPE: DI  
SAMPLE NUMBER: 9639 AB

SUSPENDED SEDIMENT DATA

TUBE NUMBER: 05  
CALIBRATION: 5.13 mL/cm  
DISCARD VOLUME: 200 mL  
COLUMN HEIGHT: 62.2 cm  
LESS CUSO4: 2 mL  
TEMPERATURE: 25 CELSIUS  
NET VOLUME: 617.1 mL

DISSOLVED SOLIDS DATA

DISH NUMBER: 128X  
VOLUME: 100 mL  
GROSS WEIGHT: 45.2667 g  
TARE WEIGHT: 45.2137 g  
NET WEIGHT: 0.0530 g  
CONCENTRATION: 530 mg/L  
CORRECTION: 0.00169 g/cm

| ELAPSED<br>TIME | FALL<br>HEIGHT | DRAUGHT | DISH<br>NUMBER | GROSS<br>WEIGHT | TARE<br>WEIGHT | SEDIMENT<br>WEIGHT | PERCENT IN<br>SUSPENSION | TIME TO<br>SETTLE |
|-----------------|----------------|---------|----------------|-----------------|----------------|--------------------|--------------------------|-------------------|
| 0.0             | 100.0          |         |                |                 |                |                    | 100.0                    | 0.0               |
| 0.5             | 90.3           | 9.7     | 211            | 46.2929         | 46.1981        | 0.0784             | 95.1                     | 0.6               |
| 1.0             | 80.1           | 10.2    | 212            | 36.8886         | 36.8107        | 0.0607             | 93.6                     | 1.2               |
| 2.0             | 70.1           | 10.0    | 213            | 38.4578         | 38.3814        | 0.0595             | 91.7                     | 2.9               |
| 5.0             | 60.0           | 10.1    | 214            | 34.9870         | 34.9074        | 0.0625             | 88.4                     | 8.3               |
| 13.0            | 50.1           | 9.9     | 215            | 41.0687         | 40.9832        | 0.0688             | 81.2                     | 25.9              |
| 32.0            | 40.0           | 10.1    | 216            | 36.2884         | 36.2014        | 0.0699             | 70.3                     | 80.0              |
| 80.0            | 30.0           | 10.0    | 217            | 36.8450         | 36.7616        | 0.0665             | 53.9                     | 266.7             |
| 160.0           | 20.0           | 10.0    | 218            | 38.6084         | 38.5442        | 0.0473             | 38.4                     | 800.0             |
| 450.0           | 07.7           | 12.3    | 219            | 44.7627         | 44.7086        | 0.0333             | 21.9                     | 5844.2            |
| 451.0           | 0.0            | 7.7     | 220            | 34.5191         | 34.4967        | 0.0094             |                          |                   |

| PARTICLE<br>SIZE IN mm | PERCENT<br>FINER THAN |
|------------------------|-----------------------|
| 1.000                  | 100                   |
| 0.500                  | 100                   |
| 0.250                  | 98                    |
| 0.125                  | 96                    |
| 0.062                  | 94                    |
| 0.031                  | 92                    |
| 0.016                  | 81                    |
| 0.008                  | 70                    |
| 0.004                  | 46                    |
| 0.002                  | 27                    |

SAND: 6.4%  
SILT: 47.9%  
CLAY: 45.7%

D16: \*\*\*\*\* mm  
D50: 0.005 mm  
D84: 0.018 mm

TOTAL NET WEIGHT: 0.5562 g

CONCENTRATION: 901 mg/L

FIGURE 3: BOTTOM WITHDRAWAL TUBE PARTICLE SIZE ANALYSIS

**APPENDIX 2**  
**PUBLISHED DATA**

**ANNEXE 2**  
**DONNÉES PUBLIÉES**





## ANNEXE 2

### PUBLISHED DATA

Published data are available in the Sediment Data books wherein Canada was divided into eight regions. These data are published annually on a calendar-year basis and the stations are listed alphabetically. The following figures are examples of the data formats published.

FIGURE 4a and 4b: SUSPENDED SEDIMENT LOADS

For stations where the suspended sediment load was obtained, the following data are given where available:

The table of *Suspended Sediment Load* includes the daily mean discharge in cubic metres per second, the daily mean concentration in milligrams per litre, and the daily suspended sediment load in tonnes per day. The total monthly discharge and total monthly sediment load are also given for each month of record.

For stations where the sediment load in tonnes per day are produced for complete or partial years, the *Total Suspended Load* for the period is given in the descriptive information.

For stations where only suspended sediment concentrations are obtained, the table of *Suspended Sediment Load* will not be given.

Additional descriptive information about the sediment station is also given and will indicate the following, where applicable: location, drainage area, type of flow, type of gauge, international stations, contributed data and remarks.

FIGURE 5: INSTANTANEOUS SUSPENDED SEDIMENT DATA

The table of *Instantaneous Suspended Sediment Concentration* for depth-integrating samples includes the following: Date and Time of the sample collection; Water Temperature; Instantaneous Discharge at time of sampling, (if not available the daily mean discharge is given and indicated by a symbol); Single Sampling Vertical location; Dissolved Solids; Percent Sand, Silt and Clay; Type of Sampler used. The particle-size distribution of Sand, Silt and Clay, in percent is given where available.

FIGURE 6: POINT INTEGRATING PARTICLE-SIZE ANALYSIS

The table of *Point Integrating Particle-size of Suspended Sediment* includes the following: Date and Time of the sample collection; Water Temperature; Instantaneous Discharge for each sampling vertical; Sampling Vertical; Sample Depth; Concentration in milligrams per litre; Dissolved Solids, in milligrams per litre, and the Particle-size distribution in percent of the Sand, Silt and Clay are also given. The Type of Sampler used in the collection of the samples is indicated at the bottom of the table.

## ANNEXE 2

### DONNÉES PUBLIÉES

Les données publiées sont disponibles dans les *Données sur les sédiments* où le Canada est divisé en huit régions. Les données sont publiées annuellement (année civile), et les stations figurent par ordre alphabétique. Les figures énumérées ci-après constituent des exemples des modes de présentation de ces données.

FIGURES 4a et 4b : DÉBIT DES SÉDIMENTS EN SUSPENSION

Pour les stations de mesure du débit des sédiments en suspension, les données suivantes sont présentées, pour autant qu'elles sont disponibles :

Le tableau concernant le *débit des sédiments en suspension* (The table of *Suspended Sediment Load*) donne le débit journalier moyen de l'eau, en mètres cubes par seconde, la concentration journalière moyenne, en milligrammes par litre, et le débit journalier des sédiments en suspension, en tonnes par jour. Chaque mois, les données indiquent également les débits mensuels totaux de l'eau et des sédiments.

Dans le cas des stations où le débit des sédiments, en tonnes par jour, est fourni pour une année complète ou une partie de l'année, le total pour la période est indiqué.

Dans le cas des stations où seule la concentration des sédiments en suspension est obtenue, ce tableau est absent.

Des renseignements descriptifs additionnels au sujet de la station sont également présentés. On peut y apporter les précisions suivantes : emplacement, superficie du bassin versant, type de débit, type de jauge, station internationale, données fournies et remarques.

FIGURE 5 : DONNÉES INSTANTANÉES DE SÉDIMENTS EN SUSPENSION

Le tableau des *concentrations instantanées de sédiments en suspension* (The table of *Instantaneous Suspended Sediment Concentration*) pour les échantillons obtenus par intégration selon la profondeur comprend : la date et l'heure de prélèvement; la température de l'eau; son débit instantané au moment de l'échantillonnage (s'il n'est pas connu, le débit journalier moyen, avec symbole); l'emplacement de la verticale d'échantillonnage; la concentration des matières dissoutes; les pourcentages de sable, de limon et d'argile; le type d'échantillonneur employé. La granulométrie du sable, du limon et de l'argile, en pourcentage des particules, est donnée lorsqu'elle est disponible.

FIGURE 6 : ANALYSE GRANULOMÉTRIQUE DES ÉCHANTILLONS PONCTUELS INTÉGRÉS

Le tableau de la *granulométrie des échantillons ponctuels et intégrés des sédiments en suspension* (The table of *Point Integrating Particle-size of Suspended Sediment*) comprend : la date et l'heure de prélèvement de l'échantillon, le débit instantané pour chaque verticale d'échantillonnage, la température de l'eau, la verticale d'échantillonnage, la profondeur de l'échantillon, la concentration des sédiments, en milligrammes par litre, la concentration des matières dissoutes, en milligrammes par litre, et la granulométrie en pourcentage du sable, du limon et de l'argile. Le type d'échantillonneur employé est indiqué au bas du tableau.

#### FIGURE 7: BED LOAD PARTICLE-SIZE ANALYSIS

The table of *Bed Load Particle-size* includes the following: Date and Time of the sample collection; Instantaneous Discharge; Sampling Vertical and the Type of Sampler used in the collection of the sample and the Particle-size distribution, in percent, for each sample of bed load collected.

#### FIGURE 8: BED MATERIAL PARTICLE-SIZE ANALYSIS

The table of *Bed Material Particle-size* includes the following: Date and Time of the sample collection; Instantaneous Discharge; Sampling Vertical and the Type of Sampler used in the collection of the sample and the Particle-size distribution, in percent, for each sample of bed material collected.

#### FIGURE 9: HISTORICAL SEDIMENT DATA SUMMARY

The table of *Historical Sediment Data Summary* gives the following, for the period of record, where applicable.

- (a) Record Summary
- (b) Type of Sampling
- (c) Sampled Concentration, maximum and minimum
- (d) Suspended Sediment Load, maximum daily and the total, for the period, in tonnes
- (e) Summary, including mean load, the historical mean load and the standard error of the mean in percent.

#### FIGURE 7 : ANALYSE GRANULOMÉTRIQUE DES SÉDIMENTS CHARRIÉS

Le tableau de la *granulométrie des sédiments charriés* (The table of *Bed Load Particle-size*) comprend : la date et l'heure de prélèvement de l'échantillon, le débit instantané, la verticale d'échantillonnage et le type d'échantillonneur employé et le pourcentage des particules pour chaque échantillon recueilli du charriage.

#### FIGURE 8 : ANALYSE GRANULOMÉTRIQUE DES MATÉRIAUX DU LIT

Le tableau de la *granulométrie des matériaux du lit* (The table of *Bed Material Particle-size*) comprend : la date et l'heure de prélèvement de l'échantillon, le débit instantané, la verticale d'échantillonnage et le type d'échantillonneur employé et le pourcentage des particules pour chaque échantillon recueilli.

#### FIGURE 9 : SOMMAIRE CHRONOLOGIQUE DES DONNÉES SUR LES SÉDIMENTS

Le tableau du *sommaire chronologique des données sur les sédiments* (The table of *Historical Sediment Data Summary*) donne, pour la période pour laquelle les données sont disponibles, les renseignements suivants lorsque de telles données existent :

- a) le sommaire du relevé;
- b) le type d'échantillonnage;
- c) les concentrations mesurées, maximum et minimum;
- d) le débit des sédiments en suspension, maximum quotidien et le total pour la période en tonnes;
- e) le résumé, y compris le débit moyen, le débit moyen chronologique et l'erreur type de la moyenne en pourcentage.

MANITOBA  
 PEMBINA RIVER NEAR WINDYGATES - STATION NO. 0902007  
 SUSPENDED SEDIMENT FOR 1984

LOCATION LAT 49 01 53 N LONG 98 15 40 W  
 DRAINAGE AREA 7 500 km<sup>2</sup>  
 TYPE OF FLOW REGULATED  
 TYPE OF GAUGE RECORDING

INTERNATIONAL GAUGING STATION

TOTAL SUSPENDED SEDIMENT LOAD 1 759.85 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS

| DAY   | JAN                                 |                            |                |  | FEB                                 |                            |                |  | MAR                                 |                            |                | DAY   |
|-------|-------------------------------------|----------------------------|----------------|--|-------------------------------------|----------------------------|----------------|--|-------------------------------------|----------------------------|----------------|-------|
|       | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) |  | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) |  | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) |       |
| 1     | 0.002                               | 1                          | 0              |  | 0                                   | 0                          | 0              |  | 0.005                               | 8                          | 0.01           | 1     |
| 2     | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0.005                               | 8                          | 0              | 2     |
| 3     | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0.007                               | 4                          | 0              | 3     |
| 4     | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0.008                               | 2                          | 0              | 4     |
| 5     | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0.004                               | 1                          | 0              | 5     |
| 6     | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0.001                               | 0                          | 0              | 6     |
| 7     | 0.007                               | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 7     |
| 8     | 0.003                               | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 8     |
| 9     | 0.001                               | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 9     |
| 10    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 10    |
| 11    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 11    |
| 12    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 12    |
| 13    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 13    |
| 14    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 14    |
| 15    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 15    |
| 16    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 16    |
| 17    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 17    |
| 18    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              | 18    |
| 19    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0.005                               | 2                          | 0              | 19    |
| 20    | 0                                   | 0                          | 0              |  | 0                                   | 0                          | 0              |  | 0.020                               | 20                         | 0.03           | 20    |
| 21    | 0                                   | 0                          | 0              |  | 0.005                               | 30                         | 0.01           |  | 0.100                               | 50                         | 0.43           | 21    |
| 22    | 0                                   | 0                          | 0              |  | 0.015                               | 70                         | 0.09           |  | 0.300                               | 100                        | 2.59           | 22    |
| 23    | 0                                   | 0                          | 0              |  | 0.030                               | 80                         | 0.18           |  | 0.538                               | 114                        | 5.28           | 23    |
| 24    | 0                                   | 0                          | 0              |  | 0.020                               | 50                         | 0.09           |  | 0.324                               | 117                        | 3.38           | 24    |
| 25    | 0                                   | 0                          | 0              |  | 0.015                               | 40                         | 0.05           |  | 0.287                               | 122                        | 3.03           | 25    |
| 26    | 0                                   | 0                          | 0              |  | 0.018                               | 30                         | 0.05           |  | 0.160                               | 107                        | 1.48           | 26    |
| 27    | 0                                   | 0                          | 0              |  | 0.021                               | 20                         | 0.04           |  | 0.258                               | 81                         | 1.81           | 27    |
| 28    | 0                                   | 0                          | 0              |  | 0.017                               | 15                         | 0.02           |  | 0.537                               | 72                         | 3.34           | 28    |
| 29    | 0                                   | 0                          | 0              |  | 0.013                               | 10                         | 0.01           |  | 0.821                               | 97                         | 7.72           | 29    |
| 30    | 0                                   | 0                          | 0              |  |                                     |                            |                |  | 1.19                                | 118                        | 11.8           | 30    |
| 31    | 0                                   | 0                          | 0              |  |                                     |                            |                |  | 1.77                                | 123                        | 19.7           | 31    |
| TOTAL | 0.018                               |                            | 0              |  | 0.154                               |                            | 0.52           |  | 5.452                               |                            | 80.80          | TOTAL |

| DAY   | APR                                 |                            |                |  | MAY                                 |                            |                |  | JUN                                 |                            |                | DAY   |
|-------|-------------------------------------|----------------------------|----------------|--|-------------------------------------|----------------------------|----------------|--|-------------------------------------|----------------------------|----------------|-------|
|       | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) |  | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) |  | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) |       |
| 1     | 2.10                                | 109                        | 19.4           |  | 1.98                                | 22                         | 3.73           |  | 1.93                                | 29                         | 4.94           | 1     |
| 2     | 2.89                                | 100                        | 22.1           |  | 1.70                                | 14                         | 2.08           |  | 1.84                                | 29                         | 4.85           | 2     |
| 3     | 3.02                                | 128                        | 33.4           |  | 1.54                                | 11                         | 1.48           |  | 1.98                                | 28                         | 4.79           | 3     |
| 4     | 3.37                                | 128                        | 37.3           |  | 1.55                                | 11                         | 1.47           |  | 2.07                                | 29                         | 5.19           | 4     |
| 5     | 3.89                                | 106                        | 32.9           |  | 1.73                                | 14                         | 2.09           |  | 2.28                                | 30                         | 5.83           | 5     |
| 6     | 3.11                                | 86                         | 23.1           |  | 1.91                                | 21                         | 3.47           |  | 2.45                                | 30                         | 6.35           | 6     |
| 7     | 2.79                                | 57                         | 13.9           |  | 2.37                                | 31                         | 5.08           |  | 2.72                                | 30                         | 7.05           | 7     |
| 8     | 2.25                                | 42                         | 8.18           |  | 2.53                                | 35                         | 7.85           |  | 2.85                                | 31                         | 7.96           | 8     |
| 9     | 1.99                                | 33                         | 5.67           |  | 2.43                                | 40                         | 9.78           |  | 2.98                                | 32                         | 8.34           | 9     |
| 10    | 1.78                                | 25                         | 3.80           |  | 2.79                                | 38                         | 9.16           |  | 2.92                                | 32                         | 8.07           | 10    |
| 11    | 1.65                                | 21                         | 3.99           |  | 2.58                                | 36                         | 7.98           |  | 3.93                                | 54                         | 18.3           | 11    |
| 12    | 1.78                                | 22                         | 3.35           |  | 2.80                                | 34                         | 7.84           |  | 4.51                                | 78                         | 30.4           | 12    |
| 13    | 1.84                                | 25                         | 3.97           |  | 2.55                                | 31                         | 6.83           |  | 3.78                                | 72                         | 23.8           | 13    |
| 14    | 1.82                                | 27                         | 4.25           |  | 2.85                                | 30                         | 8.81           |  | 3.18                                | 83                         | 17.4           | 14    |
| 15    | 1.81                                | 28                         | 4.38           |  | 2.35                                | 30                         | 6.08           |  | 3.30                                | 107                        | 20.5           | 15    |
| 16    | 1.83                                | 29                         | 4.59           |  | 2.18                                | 28                         | 5.27           |  | 8.81                                | 293                        | 739            | 16    |
| 17    | 1.78                                | 30                         | 4.58           |  | 2.08                                | 27                         | 4.81           |  | 5.07                                | 325                        | 142            | 17    |
| 18    | 1.70                                | 27                         | 3.87           |  | 1.88                                | 27                         | 4.41           |  | 3.70                                | 137                        | 43.8           | 18    |
| 19    | 1.82                                | 21                         | 2.86           |  | 1.81                                | 28                         | 4.07           |  | 2.88                                | 110                        | 35.5           | 19    |
| 20    | 1.51                                | 18                         | 2.35           |  | 1.91                                | 26                         | 4.28           |  | 2.41                                | 99                         | 20.6           | 20    |
| 21    | 1.43                                | 18                         | 2.22           |  | 2.45                                | 34                         | 7.23           |  | 2.34                                | 90                         | 18.2           | 21    |
| 22    | 1.38                                | 19                         | 2.28           |  | 2.80                                | 38                         | 8.09           |  | 2.15                                | 82                         | 18.4           | 22    |
| 23    | 1.33                                | 18                         | 2.07           |  | 2.48                                | 34                         | 7.23           |  | 1.94                                | 89                         | 11.8           | 23    |
| 24    | 1.37                                | 17                         | 1.87           |  | 2.43                                | 33                         | 8.93           |  | 1.88                                | 53                         | 8.52           | 24    |
| 25    | 1.23                                | 15                         | 1.59           |  | 2.39                                | 32                         | 8.81           |  | 1.65                                | 44                         | 8.31           | 25    |
| 26    | 1.20                                | 15                         | 1.55           |  | 2.35                                | 31                         | 8.32           |  | 1.75                                | 61                         | 9.22           | 26    |
| 27    | 1.36                                | 30                         | 3.53           |  | 2.28                                | 30                         | 8.81           |  | 1.87                                | 41                         | 5.58           | 27    |
| 28    | 1.57                                | 51                         | 6.82           |  | 2.19                                | 28                         | 8.30           |  | 1.43                                | 33                         | 4.08           | 28    |
| 29    | 1.85                                | 49                         | 8.26           |  | 2.03                                | 27                         | 4.85           |  | 1.32                                | 28                         | 2.85           | 29    |
| 30    | 2.28                                | 34                         | 6.73           |  | 2.04                                | 29                         | 5.11           |  | 1.20                                | 18                         | 1.87           | 30    |
| 31    |                                     |                            |                |  | 1.99                                | 29                         | 4.99           |  |                                     |                            |                | 31    |
| TOTAL | 58.87                               |                            | 274.33         |  | 88.55                               |                            | 173.50         |  | 82.51                               |                            | 1 237.58       | TOTAL |

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

FIGURE 4a: SUSPENDED SEDIMENT LOADS

MANITOBA  
PEMBINA RIVER NEAR WINDYGATES - STATION NO. 0508007  
SUSPENDED SEDIMENT FOR 1964

| JUL   |                                     |                            |                | AUG                                 |                            |                |                                     | SEP                        |                |       |  |
|-------|-------------------------------------|----------------------------|----------------|-------------------------------------|----------------------------|----------------|-------------------------------------|----------------------------|----------------|-------|--|
| DAY   | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) | DAY   |  |
| 1     | 1.07                                | 14 S                       | 1.29           | 0.052                               | 9                          | 0.04           | 0                                   | 0                          | 0              | 1     |  |
| 2     | 1.09                                | 13                         | 1.13           | 0.081                               | 10                         | 0.05           | 0                                   | 0                          | 0              | 2     |  |
| 3     | 1.02                                | 11                         | 0.97           | 0.050                               | 8                          | 0.03           | 0.001                               | 0                          | 0              | 3     |  |
| 4     | 0.926                               | 11                         | 0.88           | 0.053                               | 8                          | 0.04           | 0.001                               | 0                          | 0              | 4     |  |
| 5     | 0.814                               | 10 S                       | 0.70           | 0.052                               | 8 S                        | 0.04           | 0.001                               | 0                          | 0              | 5     |  |
| 6     | 0.723                               | 11                         | 0.69           | 0.050                               | 8                          | 0.03           | 0.002                               | 0                          | 0              | 6     |  |
| 7     | 0.631                               | 11                         | 0.60           | 0.045                               | 8                          | 0.03           | 0.003                               | 1                          | 0              | 7     |  |
| 8     | 0.628                               | 11 S                       | 0.60           | 0.051                               | 9 S                        | 0.04           | 0.003                               | 2                          | 0              | 8     |  |
| 9     | 0.602                               | 11                         | 0.57           | 0.047                               | 9                          | 0.04           | 0.003                               | 3                          | 0              | 9     |  |
| 10    | 0.557                               | 11                         | 0.53           | 0.041                               | 9                          | 0.03           | 0.003                               | 4                          | 0              | 10    |  |
| 11    | 0.502                               | 11                         | 0.48           | 0.037                               | 8                          | 0.03           | 0.004                               | 4                          | 0              | 11    |  |
| 12    | 0.438                               | 11 S                       | 0.42           | 0.033                               | 8 S                        | 0.02           | 0.012                               | 8                          | 0.01           | 12    |  |
| 13    | 0.480                               | 14                         | 0.54           | 0.031                               | 8                          | 0.02           | 0.010                               | 8                          | 0.01           | 13    |  |
| 14    | 0.431                               | 16                         | 0.60           | 0.027                               | 9 S                        | 0.02           | 0.007                               | 8                          | 0              | 14    |  |
| 15    | 0.314                               | 10 S                       | 0.27           | 0.024                               | 9                          | 0.02           | 0.001                               | 2                          | 0              | 15    |  |
| 16    | 0.288                               | 10                         | 0.23           | 0.019                               | 8                          | 0.01           | 0                                   | 0                          | 0              | 16    |  |
| 17    | 0.226                               | 11                         | 0.21           | 0.019                               | 10                         | 0.02           | 0                                   | 0                          | 0              | 17    |  |
| 18    | 0.197                               | 12 S                       | 0.20           | 0.017                               | 10                         | 0.01           | 0                                   | 0                          | 0              | 18    |  |
| 19    | 0.183                               | 12                         | 0.17           | 0.014                               | 10                         | 0.01           | 0                                   | 0                          | 0              | 19    |  |
| 20    | 0.124                               | 12                         | 0.13           | 0.015                               | 10 S                       | 0.01           | 0                                   | 0                          | 0              | 20    |  |
| 21    | 0.123                               | 12                         | 0.13           | 0.014                               | 10                         | 0.01           | 0                                   | 0                          | 0              | 21    |  |
| 22    | 0.135                               | 12 S                       | 0.14           | 0.013                               | 8                          | 0.01           | 0                                   | 0                          | 0              | 22    |  |
| 23    | 0.088                               | 11                         | 0.08           | 0.009                               | 7                          | 0.01           | 0                                   | 0                          | 0              | 23    |  |
| 24    | 0.087                               | 10                         | 0.08           | 0.008                               | 8                          | 0              | 0                                   | 0                          | 0              | 24    |  |
| 25    | 0.071                               | 10 S                       | 0.06           | 0.007                               | 5                          | 0              | 0                                   | 0                          | 0              | 25    |  |
| 26    | 0.068                               | 10                         | 0.06           | 0.006                               | 3 S                        | 0              | 0                                   | 0                          | 0              | 26    |  |
| 27    | 0.062                               | 10                         | 0.06           | 0.004                               | 2                          | 0              | 0                                   | 0                          | 0              | 27    |  |
| 28    | 0.060                               | 9                          | 0.05           | 0.001                               | 1 S                        | 0              | 0                                   | 0                          | 0              | 28    |  |
| 29    | 0.053                               | 9 S                        | 0.04           | 0.001                               | 0                          | 0              | 0                                   | 0                          | 0              | 29    |  |
| 30    | 0.054                               | 9                          | 0.04           | 0                                   | 0                          | 0              | 0                                   | 0                          | 0              | 30    |  |
| 31    | 0.058                               | 10                         | 0.05           | 0                                   | 0                          | 0              | 0                                   | 0                          | 0              | 31    |  |
| TOTAL | 12.087                              |                            | 12.03          | 0.801                               |                            | 0.57           | 0.051                               |                            | 0.02           | TOTAL |  |

| OCT   |                                     |                            |                | NOV                                 |                            |                |                                     | DEC                        |                |       |  |
|-------|-------------------------------------|----------------------------|----------------|-------------------------------------|----------------------------|----------------|-------------------------------------|----------------------------|----------------|-------|--|
| DAY   | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) | DAILY DISCHARGE (m <sup>3</sup> /s) | MEAN CON-CENTRATION (mg/L) | DAILY LOAD (t) | DAY   |  |
| 1     | 0                                   | 0                          | 0              | 0.025 B                             | 4                          | 0.01           | 0.011 B                             | 0                          | 0              | 1     |  |
| 2     | 0                                   | 0                          | 0              | 0.025 B                             | 4                          | 0.01           | 0.010 B                             | 0                          | 0              | 2     |  |
| 3     | 0                                   | 0                          | 0              | 0.032 B                             | 4                          | 0.01           | 0.009 B                             | 0                          | 0              | 3     |  |
| 4     | 0                                   | 0                          | 0              | 0.058 B                             | 4                          | 0.02           | 0.009 B                             | 0                          | 0              | 4     |  |
| 5     | 0                                   | 0                          | 0              | 0.049 B                             | 4                          | 0.02           | 0.008 B                             | 0                          | 0              | 5     |  |
| 6     | 0                                   | 0                          | 0              | 0.038 B                             | 4                          | 0.01           | 0.010 B                             | 0                          | 0              | 6     |  |
| 7     | 0.001                               | 1                          | 0              | 0.026 B                             | 3 S                        | 0.01           | 0.012 B                             | 0                          | 0              | 7     |  |
| 8     | 0.002                               | 1                          | 0              | 0.019 B                             | 3                          | 0              | 0.014 B                             | 0                          | 0              | 8     |  |
| 9     | 0.004                               | 2                          | 0              | 0.015 B                             | 3                          | 0              | 0.014 B                             | 0                          | 0              | 9     |  |
| 10    | 0.003                               | 3                          | 0              | 0.015 B                             | 2                          | 0              | 0.011 B                             | 0                          | 0              | 10    |  |
| 11    | 0.002                               | 3                          | 0              | 0.021 B                             | 2                          | 0              | 0.008 B                             | 0                          | 0              | 11    |  |
| 12    | 0.003                               | 4                          | 0              | 0.024 B                             | 2                          | 0              | 0.004 B                             | 0                          | 0              | 12    |  |
| 13    | 0.004                               | 5                          | 0              | 0.024 B                             | 1                          | 0              | 0.005 B                             | 0                          | 0              | 13    |  |
| 14    | 0.004                               | 6                          | 0              | 0.025 B                             | 1                          | 0              | 0.009 B                             | 0                          | 0              | 14    |  |
| 15    | 0.016                               | 8                          | 0.01           | 0.019 B                             | 0                          | 0              | 0.010 B                             | 0                          | 0              | 15    |  |
| 16    | 0.033                               | 11                         | 0.03           | 0.017 B                             | 0                          | 0              | 0.007 B                             | 0                          | 0              | 16    |  |
| 17    | 0.017                               | 9                          | 0.01           | 0.019 B                             | 0                          | 0              | 0.002 B                             | 0                          | 0              | 17    |  |
| 18    | 0.012                               | 8                          | 0.01           | 0.021 B                             | 0                          | 0              | 0.001 B                             | 0                          | 0              | 18    |  |
| 19    | 0.039                               | 10                         | 0.03           | 0.022 B                             | 0                          | 0              | 0.003 B                             | 0                          | 0              | 19    |  |
| 20    | 0.046                               | 9                          | 0.04           | 0.022 B                             | 0                          | 0              | 0.004 B                             | 0                          | 0              | 20    |  |
| 21    | 0.048                               | 10                         | 0.04           | 0.022 B                             | 0                          | 0              | 0.002 B                             | 0                          | 0              | 21    |  |
| 22    | 0.051                               | 11                         | 0.05           | 0.019 B                             | 0                          | 0              | 0.001 B                             | 0                          | 0              | 22    |  |
| 23    | 0.045                               | 9                          | 0.03           | 0.015 B                             | 0                          | 0              | 0.001 B                             | 0                          | 0              | 23    |  |
| 24    | 0.042                               | 7                          | 0.03           | 0.012 B                             | 0                          | 0              | 0                                   | 0                          | 0              | 24    |  |
| 25    | 0.038                               | 7                          | 0.02           | 0.010 B                             | 0                          | 0              | 0                                   | 0                          | 0              | 25    |  |
| 26    | 0.038                               | 6                          | 0.02           | 0.009 B                             | 0                          | 0              | 0                                   | 0                          | 0              | 26    |  |
| 27    | 0.044 B                             | 6                          | 0.02           | 0.011 B                             | 0                          | 0              | 0                                   | 0                          | 0              | 27    |  |
| 28    | 0.036 B                             | 6                          | 0.02           | 0.013 B                             | 0                          | 0              | 0                                   | 0                          | 0              | 28    |  |
| 29    | 0.045 B                             | 6                          | 0.02           | 0.012 B                             | 0                          | 0              | 0                                   | 0                          | 0              | 29    |  |
| 30    | 0.026 B                             | 5                          | 0.01           | 0.012 B                             | 0                          | 0              | 0                                   | 0                          | 0              | 30    |  |
| 31    | 0.027 B                             | 5                          | 0.01           |                                     |                            |                | 0                                   | 0                          | 0              | 31    |  |
| TOTAL | 0.825                               |                            | 0.40           | 0.653                               |                            | 0.09           | 0.164                               |                            | 0              | TOTAL |  |

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

FIGURE 4b: SUSPENDED SEDIMENT LOADS

# MANITOBA

PENBINA RIVER NEAR WINDYGATES - STATION NO. 0808007

## INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

| DATE   | TIME  | WATER TEMP. |        | INSTANT. DISCHARGE | INSTANT. CONCENT. | SINGLE SAMPLING VERTICAL | PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES |     |      |      |      |      |      |      |      |      | DISSOLVED SOLIDS | PERCENT |      |      | TYPE OF SAMPLER |        |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|        |       | (°C)        | (m³/s) |                    |                   |                          | (mg/L)                                            | (m) | .002 | .004 | .008 | .018 | .031 | .062 | .125 | .250 |                  | .500    | 1.00 | 2.00 |                 | [mg/L] | SAND | SILT | CLAY |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FEB 22 | 12:00 | 0.5         | 0.015  | W                  | 70                | MID                      |                                                   |     |      |      |      |      |      |      |      |      |                  |         |      |      |                 |        |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

NOTE : SINGLE VERTICAL LOCATED AT MIDSTREAM

DISCHARGE SYMBOL(S): W - DAILY MEAN; ICE CONDITIONS

FIGURE 5: INSTANTANEOUS SUSPENDED SEDIMENT DATA

## MARITIME

PESBINA RIVER NEAR WINDYBATES - STATION NO. 090007

POINT INTEGRATING PARTICLE-SIZE ANALYSIS OF SUSPENDED SEDIMENT FOR 1984

| DATE         | TIME | INSTANT<br>DISCHARGE | WATER<br>TEMP | SAMPLING<br>VERTICAL | DEPTH<br>OF<br>SAMPLE | CONCENT<br>OF<br>SAMPLE | PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES |      |      |      |      |      |      |      |      |      | DISSOLVED<br>SOLIDS | PERCENT<br>SAND SILT CLAY |    |    |
|--------------|------|----------------------|---------------|----------------------|-----------------------|-------------------------|---------------------------------------------------|------|------|------|------|------|------|------|------|------|---------------------|---------------------------|----|----|
|              |      | (m <sup>3</sup> /s)  | (°C)          | (m)                  | (m)                   | (mg/L)                  | .002                                              | .004 | .005 | .015 | .031 | .062 | .125 | .250 | .500 | 1.00 | 2.00                |                           |    |    |
|              |      |                      |               |                      |                       |                         |                                                   |      |      |      |      |      |      |      |      |      | (mg/L)              |                           |    |    |
| JUN 19 14 46 |      | 1280                 | 13.0          | 81                   | 0.15                  | 180                     | DATA NOT AVAILABLE                                |      |      |      |      |      |      |      |      |      |                     | 84                        |    |    |
| JUN 19 14 48 |      | 1280                 | 13.0          | 81                   | 2.89                  | 237                     | 28                                                | 31   | 40   | 53   | 68   | 85   | 97   | 100  |      |      |                     | 74                        | 15 | 84 |
| JUN 19 14 50 |      | 1280                 | 13.0          | 81                   | 5.19                  | 283                     | 18                                                | 21   | 32   | 47   | 60   | 78   | 84   | 95   | 100  |      |                     | 72                        | 21 | 88 |
| JUN 19 14 52 |      | 1280                 | 13.0          | 81                   | 7.78                  | 341                     | 10                                                | 15   | 27   | 42   | 55   | 68   | 83   | 100  |      |      |                     | 77                        | 32 | 83 |
| JUN 19 14 54 |      | 1280                 | 13.0          | 81                   | 10.4                  | 358                     | 11                                                | 17   | 28   | 39   | 52   | 71   | 85   | 95   | 99   | 100  |                     | 75                        | 35 | 84 |
| JUN 19 14 56 |      | 1280                 | 13.0          | 81                   | 11.7                  | 409                     | 8                                                 | 11   | 20   | 32   | 42   | 53   | 77   | 84   | 100  |      |                     | 79                        | 47 | 81 |
| JUN 19 14 58 |      | 1280                 | 13.0          | 81                   | 12.8                  | 818                     | 4                                                 | 8    | 11   | 18   | 28   | 38   | 52   | 81   | 97   | 100  |                     | 85                        | 84 | 20 |
| JUN 19 14 59 |      | 1280                 | 13.0          | 81                   | 13.0                  |                         | STREAMBED                                         |      |      |      |      |      |      |      |      |      |                     |                           |    |    |
| JUN 19 15 03 |      | 1820                 | 13.0          | 183                  | 0.15                  | 234                     | 18                                                | 25   | 37   | 53   | 68   | 84   | 95   | 100  |      |      |                     | 89                        | 18 | 89 |
| JUN 19 15 05 |      | 1820                 | 13.0          | 183                  | 2.51                  | 337                     | 9                                                 | 16   | 24   | 35   | 47   | 59   | 77   | 89   | 97   | 100  |                     | 88                        | 41 | 43 |
| JUN 19 15 07 |      | 1820                 | 13.0          | 183                  | 5.02                  | 395                     | 10                                                | 16   | 24   | 34   | 44   | 58   | 75   | 92   | 100  |      |                     | 71                        | 44 | 41 |
| JUN 19 15 09 |      | 1820                 | 13.0          | 183                  | 7.53                  | 490                     | 9                                                 | 10   | 18   | 28   | 38   | 48   | 62   | 78   | 93   | 100  |                     | 78                        | 54 | 38 |
| JUN 19 15 11 |      | 1820                 | 13.0          | 183                  | 10.0                  | 758                     | 8                                                 | 9    | 13   | 19   | 24   | 31   | 47   | 81   | 100  |      |                     | 79                        | 89 | 22 |
| JUN 19 15 13 |      | 1820                 | 13.0          | 183                  | 11.3                  | 987                     | 3                                                 | 5    | 9    | 13   | 18   | 24   | 39   | 79   | 97   | 100  |                     | 74                        | 74 | 15 |
| JUN 19 15 15 |      | 1820                 | 13.0          | 183                  | 12.4                  | 1480                    | 2                                                 | 4    | 8    | 9    | 11   | 18   | 21   | 43   | 84   | 100  |                     | 71                        | 88 | 12 |
| JUN 19 15 16 |      | 1820                 | 13.0          | 183                  | 12.8                  |                         | STREAMBED                                         |      |      |      |      |      |      |      |      |      |                     |                           |    |    |
| JUN 19 15 30 |      | 1540                 | 13.0          | 274                  | 0.15                  | 285                     | 12                                                | 19   | 30   | 44   | 59   | 75   | 89   | 97   | 99   | 100  |                     | 73                        | 28 | 85 |
| JUN 19 15 32 |      | 1540                 | 13.0          | 274                  | 2.48                  | 281                     | 3                                                 | 11   | 21   | 32   | 45   | 63   | 81   | 95   | 100  |      |                     | 88                        | 37 | 83 |
| JUN 19 15 34 |      | 1540                 | 13.0          | 274                  | 4.85                  | 282                     | 3                                                 | 8    | 15   | 24   | 38   | 51   | 71   | 85   | 95   | 100  |                     | 80                        | 49 | 42 |
| JUN 19 15 36 |      | 1540                 | 13.0          | 274                  | 7.44                  | 388                     | 2                                                 | 8    | 15   | 22   | 34   | 47   | 67   | 84   | 95   | 100  |                     | 81                        | 53 | 41 |
| JUN 19 15 38 |      | 1540                 | 13.0          | 274                  | 9.92                  | 525                     | 8                                                 | 11   | 18   | 22   | 38   | 57   | 77   | 80   | 100  |      |                     | 84                        | 81 | 38 |
| JUN 19 15 40 |      | 1540                 | 13.0          | 274                  | 11.2                  | 728                     | 3                                                 | 8    | 10   | 17   | 21   | 27   | 43   | 83   | 84   | 100  |                     | 79                        | 73 | 31 |
| JUN 19 15 42 |      | 1540                 | 13.0          | 274                  | 12.3                  | 893                     | 3                                                 | 8    | 9    | 13   | 17   | 25   | 34   | 48   | 83   | 100  |                     | 78                        | 75 | 20 |
| JUN 19 15 44 |      | 1540                 | 13.0          | 274                  | 12.4                  |                         | STREAMBED                                         |      |      |      |      |      |      |      |      |      |                     |                           |    |    |
| JUN 19 15 37 |      | 1470                 | 13.0          | 388                  | 0.15                  | 213                     | 24                                                | 30   | 41   | 55   | 75   | 80   | 95   | 100  |      |      |                     | 71                        | 10 | 80 |
| JUN 19 15 39 |      | 1470                 | 13.0          | 388                  | 2.81                  | 278                     | 14                                                | 19   | 32   | 47   | 60   | 78   | 83   | 100  |      |      |                     | 88                        | 24 | 87 |
| JUN 19 15 41 |      | 1470                 | 13.0          | 388                  | 5.22                  | 283                     | 8                                                 | 12   | 24   | 38   | 49   | 65   | 85   | 95   | 99   | 100  |                     | 77                        | 38 | 83 |
| JUN 19 15 43 |      | 1470                 | 13.0          | 388                  | 7.83                  | 314                     | 11                                                | 18   | 24   | 34   | 48   | 60   | 80   | 93   | 99   | 100  |                     | 75                        | 40 | 84 |
| JUN 19 15 45 |      | 1470                 | 13.0          | 388                  | 10.4                  | 348                     | 10                                                | 18   | 28   | 35   | 48   | 60   | 72   | 84   | 95   | 100  |                     | 73                        | 40 | 85 |
| JUN 19 15 47 |      | 1470                 | 13.0          | 388                  | 11.8                  | 378                     | 5                                                 | 8    | 17   | 29   | 40   | 53   | 71   | 83   | 94   | 100  |                     | 85                        | 47 | 84 |
| JUN 19 15 49 |      | 1470                 | 13.0          | 388                  | 12.9                  | 887                     | 3                                                 | 8    | 11   | 17   | 23   | 31   | 44   | 80   | 79   | 100  |                     | 78                        | 89 | 28 |
| JUN 19 15 51 |      | 1470                 | 13.0          | 388                  | 13.1                  |                         | STREAMBED                                         |      |      |      |      |      |      |      |      |      |                     |                           |    |    |
| JUN 19 15 54 |      | 1270                 | 13.0          | 457                  | 0.15                  | 178                     | 12                                                | 21   | 37   | 54   | 75   | 82   | 99   | 100  |      |      |                     | 88                        | 8  | 91 |
| JUN 19 15 56 |      | 1270                 | 13.0          | 457                  | 2.53                  | 200                     | 9                                                 | 13   | 23   | 32   | 47   | 63   | 87   | 97   | 100  |      |                     | 80                        | 17 | 90 |
| JUN 19 15 58 |      | 1270                 | 13.0          | 457                  | 5.06                  | 218                     | 13                                                | 21   | 38   | 54   | 70   | 85   | 98   | 100  |      |      |                     | 85                        | 18 | 83 |
| JUN 19 16 00 |      | 1270                 | 13.0          | 457                  | 7.59                  | 287                     | 27                                                | 32   | 48   | 65   | 70   | 83   | 95   | 99   | 100  |      |                     | 74                        | 17 | 81 |
| JUN 19 16 02 |      | 1270                 | 13.0          | 457                  | 10.1                  | 290                     | 17                                                | 23   | 34   | 47   | 61   | 75   | 82   | 99   | 100  |      |                     | 73                        | 28 | 83 |
| JUN 19 16 04 |      | 1270                 | 13.0          | 457                  | 11.4                  | 380                     | 17                                                | 23   | 33   | 44   | 58   | 71   | 89   | 99   | 100  |      |                     | 75                        | 29 | 89 |
| JUN 19 16 06 |      | 1270                 | 13.0          | 457                  | 12.5                  | 388                     | 17                                                | 24   | 32   | 42   | 52   | 64   | 87   | 98   | 100  |      |                     | 74                        | 38 | 80 |
| JUN 19 16 08 |      | 1270                 | 13.0          | 457                  | 13.7                  |                         | STREAMBED                                         |      |      |      |      |      |      |      |      |      |                     |                           |    |    |

NOTE SINGLE VERTICAL LOCATED AT 274 METRES

FIGURE 6: POINT INTEGRATING PARTICLE-SIZE ANALYSIS



MANITOBA  
PENNINA RIVER NEAR WINDYGATES - STATION NO. 0500007  
BED LOAD PARTICLE-SIZE ANALYSIS FOR 1984

| DATE   | TIME  | INSTANT<br>DISCHARGE | SAMPLING<br>VERTICAL | PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES |      |      |      |      |      |      |      |      |      |       |       |       |  |     | TYPE<br>OF<br>SAMPLER |
|--------|-------|----------------------|----------------------|---------------------------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--|-----|-----------------------|
|        |       |                      |                      | .015                                              | .031 | .063 | .125 | .250 | .500 | 1.00 | 2.00 | 4.00 | 8.00 | 16.00 | 32.00 | 64.00 |  |     |                       |
|        |       | [m <sup>3</sup> /s]  | [m]                  |                                                   |      |      |      |      |      |      |      |      |      |       |       |       |  |     |                       |
| JUN 13 | 11:00 | 7290                 | 91                   |                                                   |      | 1    | 9    | 83   | 99   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 13 | 11:23 | 7310                 | 183                  |                                                   |      | 1    | 5    | 80   | 100  |      |      |      |      |       |       |       |  | ARN |                       |
| JUN 13 | 11:49 | 7320                 | 274                  |                                                   |      |      | 2    | 28   | 98   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 13 | 12:13 | 7380                 | 388                  |                                                   |      |      | 1    | 11   | 81   | 94   |      |      |      |       |       |       |  | ARN |                       |
| JUN 13 | 12:29 | 7370                 | 457                  |                                                   |      | 2    | 11   | 32   | 73   | 82   | 95   | 98   | 97   | 100   |       |       |  | ARN |                       |
| JUN 19 | 18:11 | 8790                 | 91                   |                                                   |      | 1    | 7    | 81   | 98   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 19 | 18:23 | 8790                 | 183                  |                                                   |      | 1    | 5    | 41   | 99   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 19 | 18:39 | 8790                 | 274                  |                                                   |      |      | 2    | 24   | 99   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 19 | 18:51 | 8790                 | 388                  |                                                   |      |      | 1    | 5    | 81   | 98   |      |      |      |       |       |       |  | ARN |                       |
| JUN 19 | 17:02 | 8790                 | 457                  |                                                   |      | 1    | 3    | 15   | 94   | 100  |      | 99   | 99   | 99    | 100   |       |  | ARN |                       |
| JUN 22 | 09:58 | 8020                 | 31                   |                                                   |      | 9    | 26   | 48   | 95   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 10:07 | 8020                 | 81                   |                                                   |      | 2    | 17   | 79   | 95   | 98   | 100  |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 10:17 | 8040                 | 91                   |                                                   |      | 1    | 5    | 56   | 99   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 10:26 | 8030                 | 122                  |                                                   |      | 1    | 5    | 54   | 99   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 10:38 | 8030                 | 192                  |                                                   |      |      | 2    | 29   | 99   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 10:47 | 8020                 | 183                  |                                                   |      |      | 2    | 24   | 98   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 11:19 | 8010                 | 213                  |                                                   |      |      | 2    | 28   | 100  |      |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 11:25 | 8010                 | 244                  |                                                   |      |      | 3    | 37   | 100  |      |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 11:34 | 8010                 | 274                  |                                                   |      |      | 2    | 21   | 98   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 11:44 | 8000                 | 305                  |                                                   |      |      | 2    | 18   | 98   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 11:55 | 8000                 | 325                  |                                                   |      |      | 2    | 14   | 98   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 12:10 | 7990                 | 388                  |                                                   |      |      | 3    | 12   | 94   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 12:20 | 7990                 | 396                  |                                                   |      |      | 1    | 7    | 88   | 98   | 99   | 99   | 100  |       |       |       |  | ARN |                       |
| JUN 22 | 12:29 | 7990                 | 427                  |                                                   |      |      | 1    | 4    | 89   | 98   | 99   | 100  |      |       |       |       |  | ARN |                       |
| JUN 22 | 12:39 | 7990                 | 457                  |                                                   |      |      | 3    | 25   | 84   | 89   | 91   | 93   | 98   | 100   |       |       |  | ARN |                       |
| JUN 22 | 12:50 | 7990                 | 488                  |                                                   |      |      | 1    | 9    | 81   | 95   | 100  |      |      |       |       |       |  | ARN |                       |
| JUN 22 | 12:59 | 8000                 | 518                  |                                                   |      |      | 17   | 42   | 83   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUL 4  | 10:59 | 9080                 | 31                   |                                                   |      | 11   | 37   | 88   | 90   | 98   | 100  |      |      |       |       |       |  | ARN |                       |
| JUL 4  | 11:19 | 9070                 | 81                   |                                                   |      | 1    | 9    | 82   | 99   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUL 4  | 11:28 | 9050                 | 91                   |                                                   |      |      | 3    | 49   | 99   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUL 4  | 11:43 | 9090                 | 122                  |                                                   |      |      | 3    | 49   | 99   | 100  |      |      |      |       |       |       |  | ARN |                       |
| JUL 4  | 12:07 | 9090                 | 192                  |                                                   |      |      | 3    | 41   | 100  |      |      |      |      |       |       |       |  | ARN |                       |
| JUL 4  | 12:19 | 9110                 | 183                  |                                                   |      | 1    | 5    | 80   | 99   | 99   | 100  |      |      |       |       |       |  | ARN |                       |
| JUL 4  | 12:45 | 9120                 | 244                  |                                                   |      |      | 1    | 22   | 99   | 100  |      |      |      |       |       |       |  | ARN |                       |

FIGURE 7: BED LOAD PARTICLE-SIZE ANALYSIS

MANITOBA  
PENNINA RIVER NEAR WINDYGATES - STATION NO. 0500007  
BED MATERIAL PARTICLE-SIZE ANALYSIS FOR 1984

| DATE         | TIME | INSTANT<br>DISCHARGE | SAMPLING<br>VERTICAL | PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES |      |      |      |      |      |      |      |      |      |      |      |       |       |       | TYPE<br>OF<br>SAMPLER |
|--------------|------|----------------------|----------------------|---------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-----------------------|
|              |      |                      |                      | .004                                              | .008 | .015 | .031 | .062 | .125 | .250 | .500 | 1.00 | 2.00 | 4.00 | 8.00 | 16.00 | 32.00 | 64.00 |                       |
|              |      | [m³/s]               | [m]                  |                                                   |      |      |      |      |      |      |      |      |      |      |      |       |       |       |                       |
| MAY 14 08:45 |      | 0.738                | 0.0                  |                                                   |      |      | 1    | 10   | 30   | 82   | 99   | 100  |      |      |      |       |       |       | SCOOP                 |
| MAY 14 08:45 |      | 0.738                | 2.0                  |                                                   |      |      | 1    | 1    | 2    | 4    | 7    | 9    | 12   | 19   | 27   | 41    | 75    | 100   | SCOOP                 |
| MAY 14 08:45 |      | 0.738                | 4.0                  |                                                   |      |      |      |      |      | 1    | 2    | 3    | 4    | 8    | 9    | 17    | 98    | 100   | SCOOP                 |
| MAY 14 08:45 |      | 0.738                | 6.0                  |                                                   |      |      | 1    | 1    | 2    | 2    | 3    | 3    | 4    | 5    | 10   | 37    | 100   | SCOOP |                       |
| MAY 14 08:45 |      | 0.738                | 8.0                  |                                                   |      |      |      |      | 1    | 1    | 2    | 3    | 4    | 6    | 10   | 25    | 100   | SCOOP |                       |
| MAY 14 08:45 |      | 0.738                | 10                   |                                                   |      |      | 4    | 15   | 49   | 93   | 99   | 100  |      |      |      |       |       | SCOOP |                       |

FIGURE 8: BED MATERIAL PARTICLE-SIZE ANALYSIS

MANITOBA  
PENNINA RIVER NEAR WINDYGATES - STATION NO. 0508007  
HISTORICAL SEDIMENT DATA SUMMARY

| PERIOD<br>OF<br>YEAR | TYPE<br>OF<br>OPERATION | SAMPLED CONCENTRATION |            | SUSPENDED SEDIMENT LOAD |                        | SUMMARY : JAN-DEC        |                                        |                                |
|----------------------|-------------------------|-----------------------|------------|-------------------------|------------------------|--------------------------|----------------------------------------|--------------------------------|
|                      |                         | MAXIMUM               | MINIMUM    | MAXIMUM<br>DAILY        | TOTAL<br>FOR<br>PERIOD | MEAN<br>LOAD<br>(TONNES) | HISTORICAL<br>MEAN<br>LOAD<br>(TONNES) | STANDARD<br>ERROR<br>OF MEAN % |
|                      |                         | (mg/L)                | (mg/L)     | (TONNES)                | (TONNES)               |                          |                                        |                                |
| 1962 APR-DEC         | M-S                     | 1 480 APR 20          | 8 JUN 28   | 5 590 APR 21            | 30 400                 | ---                      | ---                                    | ---                            |
| 1963 JAN-DEC         | M-C                     | 520 JUN 07            | 0 JAN 28 * | 299 JUN 08              | 8 480                  | 23.2                     | 23.2                                   | ---                            |
| 1964 JAN-DEC         | M-C                     | 595 APR 21            | 12 JUL 12  | 373 APR 21              | 12 400                 | 34.0                     | 28.8                                   | 18.8                           |
| 1965 JAN-DEC         | M-C                     | 1 880 MAY 05          | 5 AUG 12   | 5 300 * APR 14          | 87 800                 | 158                      | 71.7                                   | 80.2                           |
| 1966 JAN-DEC         | M-C                     | 1 730 APR 01          | 11 NOV 21  | 8 470 APR 01            | 88 400                 | 237                      | 113                                    | 45.8                           |
| 1967 JAN-DEC         | M-C                     | 8 800 APR 20 *        | 9 OCT 02   | 13 800 APR 20           | 85 800                 | 235                      | 137                                    | 34.1                           |
| 1968 JAN-DEC         | M-C                     | 1 070 MAR 28          | 20 JUL 10  | 1 850 MAR 28            | 23 200                 | 83.8                     | 128                                    | 32.1                           |
| 1969 JAN-DEC         | M-C                     | 1 230 APR 12          | 8 JAN 08   | 8 770 APR 19            | 164 000                | 388                      | 184                                    | 31.3                           |
| 1970 JAN-DEC         | M-C                     | 2 620 APR 25          | 30 OCT 03  | 18 800 APR 28           | 178 000                | 488                      | 204                                    | 28.8                           |
| 1971 JAN-DEC         | M-C                     | 1 420 APR 11          | 20 OCT 19  | 17 500 APR 11           | 180 000                | 437                      | 230                                    | 25.7                           |
| 1972 JAN-DEC         | M-C                     | 1 570 APR 11          | 17 OCT 18  | 8 040 APR 11            | 103 000                | 282                      | 235                                    | 22.8                           |
| 1973 JAN-DEC         | M-C                     | 388 JUL 25            | 24 SEP 18  | 73.4 AUG 08             | 2 580                  | 7.11                     | 315                                    | 34.3                           |
| 1974 JAN-DEC         | M-C                     | 3 870 APR 18          | 25 AUG 18  | 28 300 MAY 21 *         | 382 000 *              | 1 080                    | 287                                    | 30.1                           |
| 1975 JAN-DEC         | M-C                     | 1 180 MAY 01          | 10 FEB 25  | 3 480 MAY 12            | 90 800                 | 248                      | 284                                    | 28.0                           |
| 1976 JAN-DEC         | M-C                     | 2 320 APR 08          | 20 AUG 03  | 12 400 APR 08           | 289 000                | 780                      | 320                                    | 25.7                           |
| 1977 JAN-DEC         | M-C                     | 1 310 MAY 18          | 13 APR 17  | 274 MAY 22              | 1 480                  | 4.00                     | 299                                    | 28.8                           |
| 1978 JAN-DEC         | M-C                     | 2 110 APR 06          | 5 MAR 29   | 4 240 APR 09            | 41 500                 | 114                      | 287                                    | 28.1                           |
| 1979 JAN-DEC         | M-C                     | 2 080 APR 21          | 15 AUG 12  | 20 200 APR 22           | 352 000                | 958                      | 327                                    | 24.8                           |
| 1980 JAN-DEC         | M-C                     | 1 280 MAY 28          | 13 JAN 18  | 385 MAY 28              | 3 330                  | 8.11                     | 309                                    | 25.4                           |
| 1981 JAN-DEC         | M-C                     | 2 180 MAY 23          | 5 NOV 15   | 1 530 MAY 23            | 4 370                  | 12.0                     | 294                                    | 25.8                           |
| 1982 JAN-DEC         | M-C                     | 4 880 JUN 07          | 8 SEP 15   | 12 800 JUN 07           | 53 100                 | 148                      | 288                                    | 25.3                           |
| 1983 JAN-DEC         | M-C                     | 1 810 APR 08          | 4 AUG 07   | 3 890 APR 08            | 48 400                 | 127                      | 279                                    | 24.8                           |
| 1984 FEB-NOV         | M-C                     | 901 JUN 18            | 3 NOV 07   | 739 JUN 18              | 1 780                  | 4.81                     | 288                                    | 25.2                           |

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

S - SEASONAL OPERATION

\* - EXTREME FOR PERIOD OF RECORD

FIGURE 9: HISTORICAL SEDIMENT DATA SUMMARY

**APPENDIX 3**  
**SEDIMENT SURVEY PUBLISHED REPORTS**

**ANNEXE 3**  
**RAPPORTS PUBLIES AU SUJET DE L'ÉTUDE**  
**DES SÉDIMENTS**



### APPENDIX 3

#### SEDIMENT SURVEY PUBLISHED REPORTS

The Sediment Survey has published a number of reports in the past years relating to sediment equipment, issues, manuals and studies. Copies of the reports are available on interdepartmental branch library loan or by contacting WATDOC, Water Planning and Management Branch, Environment Canada, Ottawa, Ontario, K1A 0H3 (819 997-2324).

### ANNEXE 3

#### RAPPORTS PUBLIÉS AU SUJET DE L'ÉTUDE DES SÉDIMENTS

Au cours des dernières années, la Section de l'étude des sédiments a publié plusieurs rapports concernant le matériel utilisé, les problèmes, les guides et les études ayant trait aux sédiments. On peut obtenir des exemplaires de ces rapports en demandant un prêt entre bibliothèques ministérielles ou en communiquant avec le WATDOC, Direction de la planification et de la gestion (eaux), Environnement Canada, Ottawa (Ontario) K1A 0H3 (819 997-2324).

| WSC Report No./<br>RHC - Rapport n° | Title/Titre                                                                                                                          | Author(s)/Auteurs                                     |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| IWD-HQ-WRB-SS-88-1                  | Statistical Modelling of Concentration                                                                                               | M.P. Thompson<br>H. Joe<br>M. Church                  |
| IWD-HQ-WRB-SS-88-2                  | Sediments in Water Quality Assessments: Opportunities for Integrating Water Quality and Water Resources Branches' Activities         | D.P. Blachford<br>T.J. Day                            |
| IWD-HQ-WRB-SS-88-3                  | Interpretation of Suspended Sediment Characteristics, Red River at Emerson, Manitoba, 1978-1986                                      | H. Glavic<br>T.J. Day<br>T.R. Yuzyk                   |
| IWD-HQ-WRB-SS-88-4                  | Bed Material Sampling in Sand - Bed Streams                                                                                          | P.E. Ashmore<br>T.R. Yuzyk<br>R. Herrington           |
| IWD-HQ-WRB-SS-88-5                  | Similarity of Estimates of Suspended Sediment by Water Quality Branch and Water Resources Branch for Sites in the Saskatchewan Basin | L.R. Linton<br>H.R. Hamilton<br>M. Fuglem             |
| IWD-HQ-WRB-SS-88-6                  | Office Procedures for Sediment Data Computations                                                                                     | M.A. Cashman                                          |
| IWD-HQ-WRB-SS-88-7                  | Digitizing Procedures for Suspended Sediment Data                                                                                    | M.A. Cashman                                          |
| IWD-HQ-WRB-SS-88-8                  | Proceedings of the National Sediment Program Meeting: September 29-30, 1988, Calgary, Alberta                                        | T.J. Day                                              |
| IWD-HQ-WRB-SS-88-9                  | Sediment Survey Equipment Catalogue                                                                                                  | M.A. Cashman                                          |
| IWD-HQ-WRB-SS-87-1                  | Repeatability and Sensitivity Study of Suspended Sediment Data Computation                                                           | M.A. Cashman                                          |
| IWD-HQ-WRB-SS-87-2                  | Bed Degradation on the South Saskatchewan River below Lake Diefenbaker                                                               | T.R. Yuzyk                                            |
| IWD-HQ-WRB-SS-87-3                  | Impacts of Mass Movement Events on Rivers in the Southern Coastal Mountains, British Columbia: Summary Report                        | P. Jordan & Assoc.                                    |
| IWD-HQ-WRB-SS-87-4                  | Linking Sediment Computations to a 1-D Mathematical Model                                                                            | P. Zrymiak                                            |
| IWL-HQ-WRB-SS-87-5                  | Sediment Transport in Lower Fraser River: Summary of Results and Field Excursion Guide                                               | M. Church<br>D. McLean<br>R. Kostaschuk<br>B. Tassone |
| IWD-HQ-WRB-SS-87-6                  | Hydrographic Data Reduction and Analysis System Manual - HYDRA                                                                       | J.L. McIlhinney                                       |
| IWL-HQ-WRB-SS-87-7                  | Méthodes d'échantillonnage des sédiments en suspension-variabilité et corrélation                                                    | F. Lapointe                                           |
| IWL-HQ-WRB-SS-87-8                  | Évaluation de rendement de pompes compatibles à l'échantillonneur automatique                                                        | F. Lapointe                                           |
| IWL-HQ-WRB-SS-87-9                  | A Compilation of Sediment Survey Report Series Abstracts 1984 to 1989                                                                | M.A. Cashman                                          |
| IWD-AR-WRB-87-129                   | Interpretation of Sediment Data 1966-1984 Kennebecasis River, N.B.                                                                   | R.A. Pol                                              |
| IWD-OR-WRB-SS-87-1                  | Ontario Sediment-Related Literature: Annotated Bibliography                                                                          | G.G. Binda<br>T.J. Day                                |



| WSC Report No./<br>RHC - Rapport n° | Title/Titre                                                                                           | Author(s)/Auteurs                         |
|-------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------|
| IWD-OR-WRB-SS-87-2                  | Sediment Data Reference Index Ontario                                                                 | G.G. Binda                                |
| IWD-OR-WRB-SS-87-3                  | Sediment Station Analysis: Big Creek Near Walsingham - 07GC007                                        | B.D. Smith                                |
| IWD-WNR(A)-WRB-SS-87-1              | Sediment Station Analysis: Red Deer River (05CC002 05CE001 05CK004)                                   | Hydrocon Eng.                             |
| IWD-WNR(A)-WRB-SS-87-2              | Sediment Station Analysis: Milk River Basin                                                           | M.O. Spitzer                              |
| IWD-WNR(A)-WRB-SS-87-3              | An Interpretative Study of the Upper Oldman River Sediment Regime                                     | H.R. Hudson<br>R.W. Askin                 |
| IWD-WNR(M)-WRB-SS-87-1              | Proceedings of the Manitoba Sediment Issues Workshop: November 18-19, 1986, Winnipeg, Manitoba        | T.R. Yuzyk                                |
| IWD-WNR(M)-WRB-SS-87-2              | Sediment Station Analysis: Pembina River Near Windygates 05OB007                                      | Hydrocon Eng.                             |
| IWD-WNR(M)-WRB-SS-87-3              | A Compilation of Manitoba Sediment Data to 1985                                                       | F. Penner<br>T.R. Yuzyk<br>R. Oshway      |
| IWD-WNR(S)-WRB-SS-87-1              | Sediment Station Analysis: North Saskatchewan River at Prince Albert 05GG001                          | P.E. Ashmore                              |
| IWD-WNR(NWT)-WRB-SS-87-1            | Sediment Transfer Along Mackenzie River: A Feasibility Study                                          | M. Church<br>M. Miles<br>K. Rood          |
| IWD-WNR(NWT)-WRB-SS-87-2            | Mackenzie Delta Sedimentary Environments and Processes: Issues and Recommendations                    | C.P. Lewis & Assoc.                       |
| IWD-HQ-WRB-SS-86-1                  | Terrestrial Sediment Transport into the Marine Environment of Canada: Annotated Bibliography and Data | G.G. Binda<br>T.J. Day<br>J.P.M. Syvitski |
| IWD-HQ-WRB-SS-86-2                  | Not Used                                                                                              |                                           |
| IWD-HQ-WRB-SS-86-3                  | Executive Summaries for Sediment Issues Contracts                                                     | T.J. Day                                  |
| IWD-HQ-WRB-SS-86-4                  | Accuracy and Precision in Sediment Programs: Annotated Bibliography                                   | P. Zrymiak<br>M.A. Cashman                |
| IWD-HQ-WRB-SS-86-5                  | Sediment Surveys: Its Time to Yield                                                                   | T.J. Day                                  |
| IWD-HQ-WRB-SS-86-6                  | A Re-Examination of Sediment Transport Observations in the Lower Fraser River                         | D.G. McLean<br>M.A. Church                |
| IWD-HQ-WRB-SS-86-7                  | The Use and Publication of Hydraulic and Morphologic Data for Canadian Rivers                         | Northwest Hydraulics Consultants Ltd.     |
| IWD-HQ-WRB-SS-86-8                  | Bed Material Sampling in Gravel-Bed Streams                                                           | T.R. Yuzyk                                |
| IWD-HQ-WRB-SS-86-9                  | Suspended Sediment Transport in the Saskatchewan River Basin                                          | P.E. Ashmore                              |
| IWD-HQ-WRB-SS-86-10                 | Station Review Plot Package                                                                           | J.L. McIlhinney                           |
| IWD-HQ-WRB-SS-86-11                 | Total Dissolved Solids Trends in the Saskatchewan River Basin                                         | Hydroqual Consultants Inc.                |
| IWD-HQ-WRB-SS-86-12                 | Étude du comportement hydraulique de l'échantillonneur automatique PWS                                | F. Lapointe                               |
| IWD-PYR-WRB-SS-86-1                 | Sediment Station Analysis: Fraser River at Hansard 08KA004                                            | P. Zrymiak<br>B.L. Tassone                |
| IWD-WNR(A)-WRB-SS-86-1              | Sediment-Related Literature for the Western and Northern Region: Annotated Bibliography               | G.G. Binda<br>T.J. Day                    |

| WSC Report No./<br>RHC - Rapport n° | Title/Titre                                                                                                                      | Author(s)/Auteurs                                    |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| IWD-WNR(A)-WRB-SS-86-2              | WNR Hydrometric Network Review: Issues, Network and Recommendations                                                              | T.J. Day                                             |
| IWD-WNR(W)-WRB-SS-86-1              | Sediment Station Analysis: Saskatchewan River at The Pas 05KJ001                                                                 | Northwest Hydraulics Consultants Ltd.                |
| IWD-OR-WRB-SS-86-1                  | Sediment Issues and Data Needs in Ontario                                                                                        | Conservation Management Systems                      |
| IWD-OR-WRB-SS-86-2                  | Sediment Issues and Data Needs in Ontario                                                                                        | Conservation Management Systems                      |
| IWD-AR-WRB-86-113                   | Proceedings of Freshwater Sediment Issues Workshop: June 26, 1986, Charlottetown, P.E.I.                                         | Washburn & Gillis Associates Ltd.                    |
| IWD-HQ-WRB-SS-85-1                  | Reference Materials on Sedimentation and Morphology on the Lower Fraser River                                                    | M. Church<br>D. McLean<br>M. Mannerstrom<br>D. Evans |
| IWD-HQ-WRB-SS-85-2                  | History of Channel Instability Lower Fraser River, Hope to Mission                                                               | D. McLean<br>M. Mannerstrom                          |
| IWD-HQ-WRB-SS-85-3                  | Lower Fraser River Survey 1984: Agassiz-Rosedale Bridge to Mission                                                               | D.G. McLean                                          |
| IWD-HQ-WRB-SS-85-4                  | Ontario Perspectives on Sediment Issues Phase 1 Interim Report                                                                   | Conservation Management Systems                      |
| IWD-HQ-WRB-SS-85-5                  | Assessment of Sediment Issues and Survey Program in the Prairie Provinces                                                        | Northwest Hydraulics Consultants Ltd.                |
| IWD-HQ-WRB-SS-85-6                  | Freshwater Sediment Data Collection and Use in the Atlantic Provinces                                                            | Washburn & Gillis Associates Ltd.                    |
| IWD-HQ-WRB-SS-85-7                  | État de connaissance et perspectives sédimentologiques des eaux douces du Québec                                                 | Hydrotech Inc.                                       |
| IWD-HQ-WRB-SS-85-8                  | Sediment in the Pacific and Yukon Region: Review and Assessment                                                                  | Kellerhals Eng. Services                             |
| IWD-HQ-WRB-SS-85-9                  | Étude de la variabilité des méthodes d'échantillonnage des sédiments en suspension pour des concentrations inférieures à 50 mg/L | F. Lapointe                                          |
| IWD-WNR(A)-WRB-SS-85-1              | Sediment Station Analysis: Highwood River Near the Mouth 05BL024                                                                 | T.J. Day<br>M.O. Spitzer                             |
| IWD-HQ-WRB-SS-84-1                  | Reservoir Sedimentation Studies in Canada                                                                                        | T.R. Yuzyk                                           |
| IWD-HQ-WRB-SS-84-2                  | Statistical Analysis of Sediment Data Records                                                                                    | K. Adamowski                                         |
| IWD-HQ-WRB-SS-84-3                  | Review of Sediment Survey Program Lower Fraser River British Columbia                                                            | R. Kellerhals                                        |
| IWD-HQ-WRB-SS-84-4                  | ODEN Curve Automation Study                                                                                                      | J.L. McIlhinney<br>M.A. Cashman                      |
| IWD-HQ-WRB-SS-84-5                  | Laboratory Procedures for Sediment Analysis; Second Edition                                                                      | M.A. Cashman                                         |
| IWD-HQ-WRB-SS-84-6                  | Étude de la représentativité de l'échantillonneur automatique PWS basée sur les données existantes                               | F. Lapointe                                          |
| Reprint (1974)                      | Possibilities for Using Suspended Sediment Rating Curves in the Canadian Sediment Survey Program                                 | R. Kellerhals<br>A.D. Abrahams<br>H. von Gaza        |
| Reprint (1983)                      | Lake Diefenbaker, Saskatchewan: A Case Study of Reservoir Sedimentation                                                          | T.R. Yuzyk                                           |

**TABULATION OF SEDIMENT STATIONS**

**RÉSULTATS DES STATIONS  
SÉDIMENTOLOGIQUES**



## ALBERTA

| STATION NO. | NAME                                        | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|---------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|----------------------------|
|             |                                             |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE              |
| 05CK005     | ALKALI CREEK NEAR THE MOUTH                 | M-MS              | 1971       |                    | 1971         |             |                     |                 |                            |
|             | LATITUDE 50 53 54 N                         |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 110 30 30 W                       |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SW28-22-04-W4              |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 590 km <sup>2</sup>           |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                   | 1          |                    | 1            |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                    |                   |            |                    |              |             |                     |                 |                            |
| 07BD001     | ATHABASCA RIVER AT EMBARRAS AIRPORT         | M-MS              | 1971-73    |                    |              | 1973        |                     | 1973            |                            |
|             | LATITUDE 55 12 18 N                         | M-S               | 1974       | 1974               |              | 1974        |                     |                 |                            |
|             | LONGITUDE 111 23 24 W                       | M-S               | 1975-78    | 1975-78            | 1975-78      | 1975-78     |                     |                 | 1977                       |
|             | LAND DESCRIPTION WE18-108-09-W4             | M-S               | 1979-81    | 1979-81            | 1979-81      | 1979-81     |                     |                 | 1979-80                    |
|             | DRAINAGE AREA 155 000 km <sup>2</sup>       | M-MS              | 1982-84    | 1982-84            | 1982-84      | 1982-84     |                     |                 | 1982-84                    |
|             | TOTAL NUMBER OF SAMPLES                     |                   | 955        |                    | 501          | 1029        |                     | 38              |                            |
|             | REMARK(S) - NATURAL FLOW                    |                   |            |                    |              |             |                     |                 |                            |
| 07CC002     | ATHABASCA RIVER AT MCMURRAY                 | M-MS              | 1968       |                    | 1968         | 1968        |                     |                 |                            |
|             | LATITUDE 55 44 00 N                         | M-S               | 1973-74    |                    | 1973-74      | 1973-74     |                     |                 | 1973                       |
|             | LONGITUDE 111 22 30 W                       | M-S               | 1975-78    |                    | 1977         | 1975-78     |                     |                 | 1975-78                    |
|             | LAND DESCRIPTION SW21-89-09-W4              | M-S               | 1979-81    |                    | 1979-80      | 1979-81     |                     |                 | 1979-81                    |
|             | DRAINAGE AREA 100 000 km <sup>2</sup>       | M-S               | 1982-83    |                    | 1982         | 1982-83     |                     |                 | 1982                       |
|             | TOTAL NUMBER OF SAMPLES                     |                   | 980        |                    | 238          | 805         |                     | 51              |                            |
|             | REMARK(S) - NATURAL FLOW                    |                   |            |                    |              |             |                     |                 |                            |
| 07DA001     | ATHABASCA RIVER BELOW MCMURRAY              | M-MS              | 1967-88    |                    | 1967-88      | 1967-88     |                     |                 |                            |
|             | LATITUDE 55 48 50 N                         | M-S               | 1989       | 1989               | 1989         | 1989        |                     |                 | 1989                       |
|             | LONGITUDE 111 24 00 W                       | M-C               | 1970-72    | 1970-72            | 1970-72      | 1970-72     |                     | 1970-72         | 1971-72                    |
|             | LAND DESCRIPTION NW05-80-09-W4              |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 133 000 km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                   | 399        |                    | 288          | 388         |                     | 48              |                            |
|             | REMARK(S) - NATURAL FLOW                    |                   |            |                    |              |             |                     |                 |                            |
| 07AE001     | ATHABASCA RIVER NEAR WINDFALL               | M-MS              | 1974-88    |                    | 1974-88      | 1974-88     |                     | 1980            |                            |
|             | LATITUDE 54 12 28 N                         |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 115 03 48 W                       |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION RE20-80-14-W5              |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 15 800 km <sup>2</sup>        |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                   | 82         |                    | 57           | 75          |                     | 1               |                            |
|             | REMARK(S) - NATURAL FLOW                    |                   |            |                    |              |             |                     |                 |                            |
| 05CE008     | ATUISIS CREEK NEAR REDLAND                  | M-MS              | 1971       |                    | 1971         |             |                     |                 |                            |
|             | LATITUDE 51 18 50 N                         |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 113 03 15 W                       |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SE28-27-22-W4              |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 75.9 km <sup>2</sup>          |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                   | 1          |                    | 1            |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                    |                   |            |                    |              |             |                     |                 |                            |
| 05FE004     | BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY | M-MS              | 1980       |                    | 1980         | 1980        |                     |                 |                            |
|             | LATITUDE 52 51 23 N                         | M-S               | 1981       | 1981               | 1981         | 1981        |                     |                 | 1980                       |
|             | LONGITUDE 110 01 08 W                       | M-MS              | 1982-84    |                    | 1982-84      | 1982-84     |                     |                 | 1981                       |
|             | LAND DESCRIPTION SW12-45-01-W4              | M-MS              | 1985-87    |                    | 1985-87      | 1985-87     |                     |                 | 1982-83                    |
|             | DRAINAGE AREA 24 800 km <sup>2</sup>        | M-MS              | 1988       |                    | 1988         | 1988        | 1988                |                 | 1985-87                    |
|             | TOTAL NUMBER OF SAMPLES                     |                   | 88         |                    | 88           | 88          |                     | 19              |                            |
|             | REMARK(S) - REGULATED SINCE 1973            |                   |            |                    |              |             |                     |                 |                            |
| 05CA011     | BEARBERRY CREEK NEAR SUNDRE                 | M-MS              | 1977       |                    | 1977         | 1977        |                     |                 |                            |
|             | LATITUDE 51 45 28 N                         |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 114 42 30 W                       |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION NW08-33-05-W5              |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 227 km <sup>2</sup>           |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                   | 5          |                    | 5            | 4           |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                    |                   |            |                    |              |             |                     |                 |                            |
|             |                                             |                   |            |                    |              |             |                     |                 |                            |
| 05AB013     | BEAVER CREEK NEAR BROCKET                   | M-MS              | 1971-72    |                    | 1971         |             |                     |                 |                            |
|             | LATITUDE 49 38 21 N                         |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 113 47 38 W                       |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION NW07-05-28-W4              |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 256 km <sup>2</sup>           |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                   | 12         |                    | 1            |             |                     |                 |                            |
|             | REMARK(S) - REGULATED                       |                   |            |                    |              |             |                     |                 |                            |

P - PUMP SAMPLING  
M - MANUAL SAMPLING  
D - DUAL PUMP AND MANUAL SAMPLING

C - CONTINUOUS OPERATION  
MS - MISCELLANEOUS OPERATION  
S - SEASONAL OPERATION

V - VOLUMETRIC MEASUREMENT  
SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                                                                   | TYPE OF OPERATION            | CONC. DATA                               | SUSPENDED SEDIMENT |                                          |                                          | BED LOAD                        |                 | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------|--------------------|------------------------------------------|------------------------------------------|---------------------------------|-----------------|----------------------------|
|             |                                                                                                                        |                              |                                          | LOADS              | DISS. SOLIDS                             | WATER TEMP.                              | PARTICLE SIZE POINT             | VOLUME OR LOADS |                            |
| 05AA010     | BEAVER MINES CREEK NEAR BEAVER MINES                                                                                   | M-MS                         | 1971                                     |                    | 1971                                     |                                          |                                 |                 |                            |
|             | LATITUDE 49 28 30 N<br>LONGITUDE 114 08 30 W<br>LAND DESCRIPTION NE14-08-03-W6<br>DRAINAGE AREA 82.4 km <sup>2</sup>   |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                              |                                          | 2                  | 2                                        |                                          |                                 |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
| 07DA018     | BEAVER RIVER ABOVE SYNCRUDE                                                                                            | M-MS                         | 1975-77<br>1979-80                       |                    | 1975-80                                  | 1975-77<br>1979-80                       |                                 |                 |                            |
|             | LATITUDE 56 56 29 N<br>LONGITUDE 111 33 84 W<br>LAND DESCRIPTION NE32-01-10-W4<br>DRAINAGE AREA 185 km <sup>2</sup>    |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                              |                                          | 43                 | 14                                       | 40                                       |                                 |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
| 05AD008     | BEAVER RIVER AT COLD LAKE RESERVE                                                                                      | M-MS<br>M-MS                 | 1974-76<br>1977-88                       |                    | 1974-75<br>1979-88                       | 1974-75<br>1977-88                       |                                 |                 |                            |
|             | LATITUDE 54 21 18 N<br>LONGITUDE 110 13 00 W<br>LAND DESCRIPTION NE10-02-C2-W4<br>DRAINAGE AREA 14 500 km <sup>2</sup> |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                              |                                          | 78                 | 43                                       | 88                                       |                                 |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
| 07DA005     | BEAVER RIVER NEAR FORT MACKAY                                                                                          | M-MS                         | 1974-78                                  |                    | 1974-75                                  |                                          |                                 |                 |                            |
|             | LATITUDE 57 08 00 N<br>LONGITUDE 111 38 00 W<br>LAND DESCRIPTION SW26-03-11-W4<br>DRAINAGE AREA 484 km <sup>2</sup>    |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                              |                                          | 10                 | 10                                       |                                          |                                 |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1975                                                                                       |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
| 05AD041     | BELLY RIVER NEAR GLENWOOD                                                                                              | M-MS                         | 1985-88                                  |                    | 1985-88                                  | 1985-88                                  |                                 |                 |                            |
|             | LATITUDE 49 21 08 N<br>LONGITUDE 113 28 49 W<br>LAND DESCRIPTION SE08-05-26-W4<br>DRAINAGE AREA 857 km <sup>2</sup>    |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                              |                                          | 34                 | 34                                       | 34                                       |                                 |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1938                                                                                       |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
| 05AD005     | BELLY RIVER NEAR MOUNTAIN VIEW                                                                                         | M-MS                         | 1971                                     |                    | 1971                                     |                                          |                                 |                 |                            |
|             | LATITUDE 49 06 00 N<br>LONGITUDE 113 41 48 W<br>LAND DESCRIPTION NE05-02-28-W4<br>DRAINAGE AREA 319 km <sup>2</sup>    |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                              |                                          | 7                  | 7                                        |                                          |                                 |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1938                                                                                       |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
| 05AD002     | BELLY RIVER NEAR STAND OFF                                                                                             | M-MS<br>M-MS<br>M-MS         | 1969<br>1971<br>1974-85                  |                    | 1969<br>1971<br>1979-85                  | 1974-85                                  |                                 |                 |                            |
|             | LATITUDE 49 28 40 N<br>LONGITUDE 113 18 10 W<br>LAND DESCRIPTION NE16-08-25-W4<br>DRAINAGE AREA 1 210 km <sup>2</sup>  |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                              |                                          | 110                | 88                                       | 88                                       |                                 |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1938                                                                                       |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
| 07DD008     | BIG POINT CHANNEL BELOW DIVERGENCE                                                                                     | M-MS<br>M-MS<br>M-MS<br>M-MS | 1971-74<br>1975-78<br>1977-79<br>1980-81 |                    | 1971-73<br>1975-78<br>1979<br>1980-81    | 1971-73<br>1975-78<br>1979<br>1980       |                                 |                 |                            |
|             | LATITUDE 54 28 55 N<br>LONGITUDE 110 48 18 W<br>DRAINAGE AREA km <sup>2</sup>                                          |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                              |                                          | 87                 | 23                                       | 79                                       | 13                              |                 | 7                          |
|             | REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY 010                                                                     |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
| 07KE001     | BIRCH RIVER BELOW ALICE CREEK                                                                                          | M-MS<br>M-MS<br>M-MS<br>M-MS | 1970-78<br>1979-81<br>1982-86<br>1987-88 |                    | 1970-71<br>1979-81<br>1982-84<br>1987-88 | 1970-78<br>1979-81<br>1982-84<br>1987-88 | 1973<br>1979<br>1982-83<br>1985 |                 | 1971                       |
|             | LATITUDE 58 19 20 N<br>LONGITUDE 113 04 05 W<br>LAND DESCRIPTION SW36-107-19-W4<br>DRAINAGE AREA 9 880 km <sup>2</sup> |                              |                                          |                    |                                          |                                          |                                 |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                              |                                          | 89                 | 47                                       | 80                                       | 10                              |                 | 1                          |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                              |                                          |                    |                                          |                                          |                                 |                 |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES





| STATION NO.                                        | NAME                                       | TYPE OF OPERATION                                          | CONC. DATA                        | SUSPENDED SEDIMENT                                 |                                | WATER TEMP.             | PARTICLE SIZE |         | SED LOAD        |               | SED MATERIAL PARTICLE SIZE |   |  |  |  |
|----------------------------------------------------|--------------------------------------------|------------------------------------------------------------|-----------------------------------|----------------------------------------------------|--------------------------------|-------------------------|---------------|---------|-----------------|---------------|----------------------------|---|--|--|--|
|                                                    |                                            |                                                            |                                   | LOADS                                              | DISS. SOLIDS                   |                         | POINT         | DEPTH   | VOLUME OR LOADS | PARTICLE SIZE |                            |   |  |  |  |
| 05SP019                                            | CASH CREEK NEAR BEENE                      | M-C                                                        | 1969-70                           | 1969-70                                            | 1969-70                        | 1969-70                 |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | D-C                                                        | 1971-72                           | 1971-72                                            | 1971                           | 1971-72                 |               |         | 1971            |               |                            |   |  |  |  |
|                                                    |                                            | D-C                                                        | 1977-78                           | 1977-78                                            | 1977-78                        | 1977-78                 |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | D-S                                                        | 1979                              | 1979                                               | 1979                           | 1979                    |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | M-S                                                        | 1980-83                           | 1980-83                                            | 1980-83                        | 1980-83                 |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | M-MB                                                       | 1988                              |                                                    | 1988                           | 1988                    |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | TOTAL NUMBER OF SAMPLES                                    |                                   |                                                    | 332                            | 388                     | 797           |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | REMARK(S) - NATURAL FLOW                                   |                                   |                                                    |                                |                         |               |         |                 |               |                            |   |  |  |  |
| 07AB003                                            | CACHE PERCOTTE CREEK NEAR HINTON           | M-S                                                        | 1968-67                           | 1968-67                                            | 1968-67                        | 1968                    |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | M-S                                                        | 1968-73                           | 1968-73                                            | 1968-73                        | 1968-73                 |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | M-MB                                                       | 1974                              |                                                    |                                | 1974                    |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | M-S                                                        | 1978-77                           | 1978-77                                            | 1977                           | 1978-77                 |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | TOTAL NUMBER OF SAMPLES                                    |                                   |                                                    | 430                            | 128                     | 282           |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | REMARK(S) - NATURAL FLOW                                   |                                   |                                                    |                                |                         |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | 05DC008                                                    | CARDINAL RIVER NEAR THE MOUTH     | M-MB                                               | 1971                           |                         | 1971          |         |                 |               |                            |   |  |  |  |
|                                                    |                                            |                                                            |                                   | TOTAL NUMBER OF SAMPLES                            |                                |                         | 3             | 3       |                 |               |                            |   |  |  |  |
| REMARK(S) - NATURAL FLOW                           |                                            |                                                            |                                   |                                                    |                                |                         |               |         |                 |               |                            |   |  |  |  |
| 05AA028                                            | CASTLE RIVER AT RANGER STATION             |                                                            |                                   | M-MB                                               | 1971-72                        |                         | 1971          |         |                 |               |                            |   |  |  |  |
|                                                    |                                            |                                                            |                                   | TOTAL NUMBER OF SAMPLES                            |                                |                         | 28            | 17      |                 |               |                            |   |  |  |  |
|                                                    |                                            |                                                            |                                   | REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY S10 |                                |                         |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            |                                                            |                                   | 05AA023                                            | CASTLE RIVER NEAR BEAVER MINES | M-MB                    | 1971-72       |         | 1971            |               |                            |   |  |  |  |
|                                                    |                                            |                                                            |                                   |                                                    |                                | TOTAL NUMBER OF SAMPLES |               |         | 31              | 10            |                            |   |  |  |  |
|                                                    |                                            | REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY S10         |                                   |                                                    |                                |                         |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | 05BL022                                                    | CATARACT CREEK NEAR FORESTRY ROAD |                                                    |                                | M-MB                    | 1971-72       |         | 1971            |               |                            |   |  |  |  |
|                                                    |                                            |                                                            |                                   |                                                    |                                | M-MB                    | 1978-77       |         |                 | 1977          |                            |   |  |  |  |
| TOTAL NUMBER OF SAMPLES                            |                                            |                                                            |                                   |                                                    |                                | 28                      | 12            | 3       |                 |               |                            |   |  |  |  |
| REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY 017 |                                            |                                                            |                                   |                                                    |                                |                         |               |         |                 |               |                            |   |  |  |  |
| 07KF008                                            | CHENAL DES QUATRE POUCHES BELOW FOUR FORKS |                                                            |                                   |                                                    |                                | M-MB                    | 1971-74       |         | 1971-72         |               |                            |   |  |  |  |
|                                                    |                                            |                                                            |                                   | M-MB                                               | 1978                           |                         | 1978          |         |                 |               |                            |   |  |  |  |
|                                                    |                                            |                                                            |                                   | M-MB                                               | 1977-78                        |                         | 1977-78       |         |                 |               |                            |   |  |  |  |
|                                                    |                                            |                                                            |                                   | M-MB                                               | 1980-81                        |                         | 1980-81       | 1980-81 |                 |               |                            |   |  |  |  |
|                                                    |                                            | TOTAL NUMBER OF SAMPLES                                    |                                   |                                                    | 118                            | 33                      | 81            |         |                 | 18            |                            | 7 |  |  |  |
|                                                    |                                            | REMARK(S) - REGULATED SINCE 1987 - DATA CONTRIBUTED BY 010 |                                   |                                                    |                                |                         |               |         |                 |               |                            |   |  |  |  |
|                                                    |                                            | 07CD001                                                    | CLEARWATER RIVER AT DRAPER        | M-MB                                               | 1985-88                        |                         | 1985-88       | 1985-88 |                 |               |                            |   |  |  |  |
|                                                    |                                            |                                                            |                                   | M-C                                                | 1989-72                        |                         | 1989-72       | 1989-72 |                 |               |                            |   |  |  |  |
| M-S                                                | 1973-77                                    |                                                            |                                   | 1973-77                                            | 1977                           | 1973-77                 |               |         |                 |               |                            |   |  |  |  |
| M-C                                                | 1978                                       |                                                            |                                   | 1978                                               | 1978                           | 1978                    |               |         |                 |               |                            |   |  |  |  |
| M-S                                                | 1978-83                                    |                                                            |                                   | 1978-83                                            | 1978-83                        | 1978-83                 |               |         |                 |               |                            |   |  |  |  |
| M-MB                                               | 1984                                       |                                                            |                                   |                                                    | 1984                           | 1984                    |               |         |                 |               |                            |   |  |  |  |
| M-S                                                | 1985-87                                    |                                                            |                                   | 1985-87                                            | 1985-87                        | 1985-87                 |               |         |                 |               |                            |   |  |  |  |
| M-MB                                               | 1988                                       |                                                            |                                   |                                                    | 1988                           | 1988                    |               |         |                 |               |                            |   |  |  |  |
| TOTAL NUMBER OF SAMPLES                            |                                            |                                                            | 1128                              | 809                                                | 1030                           |                         |               | 34      |                 | 4             |                            |   |  |  |  |
| REMARK(S) - NATURAL FLOW                           |                                            |                                                            |                                   |                                                    |                                |                         |               |         |                 |               |                            |   |  |  |  |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                       | TYPE OF OPERATION | CONC. DATA                | SUSPENDED SEDIMENT |              |             | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------|-------------------|---------------------------|--------------------|--------------|-------------|---------------------|-----------------|----------------------------|
|             |                                            |                   |                           | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE              |
| 0589001     | CLARKWATER RIVER NEAR ROCKY MOUNTAIN HOUSE | M-MS              | 1971-72                   |                    | 1971         |             | 1971                |                 |                            |
|             | LATITUDE 52 20 40 N                        |                   |                           |                    |              |             |                     |                 |                            |
|             | LONGITUDE 114 58 10 W                      |                   |                           |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION NW09-39-07-W8             |                   |                           |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 3 220 km <sup>2</sup>        |                   |                           |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 24                        | 18                 |              |             | 2                   |                 |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   | - DATA CONTRIBUTED BY 010 |                    |              |             |                     |                 |                            |
| 0789010     | CONNOR CREEK NEAR ROCKFORT BRIDGE          | M-MS              | 1975                      |                    |              |             |                     |                 |                            |
|             | LATITUDE 54 02 52 N                        |                   |                           |                    |              |             |                     |                 |                            |
|             | LONGITUDE 110 02 31 W                      |                   |                           |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION NW30-58-07-W8             |                   |                           |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 64.8 km <sup>2</sup>         |                   |                           |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 1                         |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   | - DATA CONTRIBUTED BY 010 |                    |              |             |                     |                 |                            |
| 0789008     | CONNOR CREEK NEAR SARGISO                  | M-MS              | 1975                      |                    |              |             |                     |                 |                            |
|             | LATITUDE 54 01 33 N                        |                   |                           |                    |              |             |                     |                 |                            |
|             | LONGITUDE 114 58 38 W                      |                   |                           |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SE22-58-07-W8             |                   |                           |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 189 km <sup>2</sup>          |                   |                           |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 2                         |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   | - DATA CONTRIBUTED BY 010 |                    |              |             |                     |                 |                            |
| 0589005     | CROWFOOT CREEK NEAR CLUBY                  | M-MS              | 1977                      |                    | 1977         |             |                     |                 |                            |
|             | LATITUDE 50 50 00 N                        |                   |                           |                    |              |             |                     |                 |                            |
|             | LONGITUDE 112 48 40 W                      |                   |                           |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SE09-22-20-W8             |                   |                           |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 1 360 km <sup>2</sup>        |                   |                           |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 1                         |                    | 1            |             |                     |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1914           |                   | - DATA CONTRIBUTED BY 017 |                    |              |             |                     |                 |                            |
| 0589009     | CROWNEST RIVER AT FRANK                    | M-MS              | 1968                      |                    | 1968         |             |                     |                 |                            |
|             | LATITUDE 49 35 48 N                        | M-MS              | 1971-72                   |                    | 1971         | 1971        |                     |                 |                            |
|             | LONGITUDE 114 24 33 W                      | M-MS              | 1978-78                   |                    | 1978-78      | 1978-78     | 1978-78             |                 |                            |
|             | LAND DESCRIPTION SE26-07-04-W8             | M-S               | 1978-77                   | 1978-77            | 1978-77      | 1978-77     | 1978-77             |                 |                            |
|             | DRAINAGE AREA 494 km <sup>2</sup>          | M-S               | 1978                      | 1978               | 1978         | 1978        | 1978                |                 |                            |
|             |                                            | M-S               | 1978-80                   | 1978-80            | 1978-80      | 1978-80     | 1978-80             |                 |                            |
|             |                                            | M-MS              | 1981-88                   | 1981-88            | 1981-88      | 1981-88     | 1981-88             |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 844                       | 297                | 532          |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   | - DATA CONTRIBUTED BY 010 |                    |              |             |                     |                 |                            |
| 0589003     | DEER CREEK (MAIN STEM) NEAR SUNDRE         | M-S               | 1968-69                   | 1968-69            | 1968-69      | 1968-69     |                     |                 |                            |
|             | LATITUDE 51 39 25 N                        |                   |                           |                    |              |             |                     |                 |                            |
|             | LONGITUDE 110 08 00 W                      |                   |                           |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION NW16-31-08-W8             |                   |                           |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 8.46 km <sup>2</sup>         |                   |                           |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 18                        | 15                 | 15           |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |                           |                    |              |             |                     |                 |                            |
| 0789006     | DEERLICK CREEK NEAR HIRTON                 | M-S               | 1987-73                   | 1987-73            | 1987-70      | 1987-73     |                     |                 |                            |
|             | LATITUDE 53 08 30 N                        | M-S               | 1974-83                   | 1974-83            | 1977-82      | 1974-83     | 1989                |                 |                            |
|             | LONGITUDE 117 14 38 W                      | M-S               | 1984-88                   | 1984-88            | 1984-88      | 1984-88     | 1974                |                 |                            |
|             | LAND DESCRIPTION SE22-48-23-W8             |                   |                           |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 14.0 km <sup>2</sup>         |                   |                           |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 1261                      | 343                | 558          |             | 5                   |                 |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |                           |                    |              |             |                     |                 |                            |
| 0789002     | DOVER RIVER NEAR THE MOUTH                 | M-MS              | 1977                      |                    | 1977         |             |                     |                 |                            |
|             | LATITUDE 57 10 12 N                        |                   |                           |                    |              |             |                     |                 |                            |
|             | LONGITUDE 111 47 38 W                      |                   |                           |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SW24-04-13-W8             |                   |                           |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 993 km <sup>2</sup>          |                   |                           |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 50                        |                    | 5            |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |                           |                    |              |             |                     |                 |                            |

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| STATION NO. | NAME                                                                                                                  | TYPE OF OPERATION                  | CONC. DATA                                    | SUSPENDED SEDIMENT   |                                               |                                               | PARTICLE SIZE POINT DEPTH  | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------|----------------------|-----------------------------------------------|-----------------------------------------------|----------------------------|-----------------|---------------|----------------------------|
|             |                                                                                                                       |                                    |                                               | LOADS                | DISS. SOLIDS                                  | WATER TEMP.                                   |                            | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 078H003     | DRIFTPILE RIVER NEAR DRIFTPILE                                                                                        | M-MS<br>M-S                        | 1977<br>1978-85                               | 1978-85              | 1978-85                                       | 1978-85                                       | 1977<br>1978-85            |                 |               |                            |
|             | LATITUDE 85 20 48 N<br>LONGITUDE 115 47 39 W<br>LAND DESCRIPTION SW28-73-12-W8<br>DRAINAGE AREA 840 km <sup>2</sup>   |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                    | 762                                           |                      | 382                                           | 718                                           |                            |                 | 52            |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
| 07DB003     | DUNKIRK RIVER NEAR FORT MACKAY                                                                                        | M-MS                               | 1977-78                                       |                      |                                               | 1977-78                                       |                            |                 |               |                            |
|             | LATITUDE 58 51 20 N<br>LONGITUDE 112 42 40 W<br>LAND DESCRIPTION SE08-81-17-W8<br>DRAINAGE AREA 1 570 km <sup>2</sup> |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                    | 14                                            |                      |                                               | 14                                            |                            |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
| 05AA028     | DUTCH CREEK NEAR THE MOUTH                                                                                            | M-MS                               | 1971-72                                       |                      | 1971                                          |                                               |                            |                 |               |                            |
|             | LATITUDE 49 54 08 N<br>LONGITUDE 114 25 49 W<br>LAND DESCRIPTION NW11-11-04-W8<br>DRAINAGE AREA 143 km <sup>2</sup>   |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                    | 22                                            |                      | 12                                            |                                               |                            |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
|             |                                                                                                                       |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
| 078F001     | EAST PRAIRIE RIVER NEAR ENILDA                                                                                        | M-MS<br>M-MS<br>M-MS               | 1978-82<br>1978-82<br>1983-88                 |                      | 1978-82<br>1978-82<br>1983-88                 | 1978-78<br>1978-82<br>1983-88                 | 1978-77<br>1978<br>1983-87 |                 |               |                            |
|             | LATITUDE 55 25 00 N<br>LONGITUDE 118 20 20 W<br>LAND DESCRIPTION NE14-74-18-W8<br>DRAINAGE AREA 1 480 km <sup>2</sup> |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                    | 148                                           |                      | 88                                            | 121                                           |                            |                 | 33            |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
| 05AB024     | EAST STREETER CREEK NEAR HANTON                                                                                       | M-S<br>M-C<br>M-S                  | 1985<br>1985<br>1987                          | 1985<br>1985<br>1987 | 1985<br>1985<br>1988                          | 1985<br>1985<br>1988                          |                            |                 |               |                            |
|             | LATITUDE 50 08 31 N<br>LONGITUDE 114 03 55 W<br>LAND DESCRIPTION SE27-13-01-W8<br>DRAINAGE AREA 0.62 km <sup>2</sup>  |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                    | 33                                            |                      | 32                                            | 33                                            |                            |                 | 4             |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
| 05BJ005     | ELBOW RIVER ABOVE ELBOW FALLS                                                                                         | M-MS                               | 1971                                          |                      | 1971                                          |                                               |                            |                 |               |                            |
|             | LATITUDE 50 51 20 N<br>LONGITUDE 114 47 37 W<br>LAND DESCRIPTION NE08-23-08-W8<br>DRAINAGE AREA 437 km <sup>2</sup>   |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                    | 8                                             |                      | 8                                             |                                               |                            |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
| 05BJ004     | ELBOW RIVER AT BRACE CREEK                                                                                            | M-MS<br>M-S<br>M-MS<br>M-S<br>M-MS | 1987<br>1988<br>1989-71<br>1972-75<br>1975-88 |                      | 1987<br>1988<br>1989-71<br>1972-75<br>1975-88 | 1987<br>1988<br>1989-71<br>1972-75<br>1975-88 |                            |                 |               |                            |
|             | LATITUDE 50 54 53 N<br>LONGITUDE 114 34 10 W<br>LAND DESCRIPTION NE12-23-08-W8<br>DRAINAGE AREA 781 km <sup>2</sup>   |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
| 07DA017     | ELLS RIVER NEAR THE MOUTH                                                                                             | M-MS<br>M-MS<br>M-MS               | 1978-78<br>1978-84<br>1985-85                 |                      | 1978-84<br>1985-85                            | 1978-78<br>1978-84<br>1985-85                 | 1978<br>1978<br>1985-85    |                 |               |                            |
|             | LATITUDE 57 18 04 N<br>LONGITUDE 111 42 51 W<br>LAND DESCRIPTION SW27-98-11-W8<br>DRAINAGE AREA 2 450 km <sup>2</sup> |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                    | 85                                            |                      | 35                                            | 85                                            |                            |                 | 4             |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
| 07DD003     | EMBARRAS RIVER BELOW DIVERGENCE                                                                                       | M-MS<br>M-MS<br>M-MS               | 1971-74<br>1978-79<br>1980-81                 |                      | 1971-73<br>1978<br>1980-81                    | 1971-73<br>1978<br>1980-81                    | 1971-73<br>1978<br>1980-81 |                 |               |                            |
|             | LATITUDE 58 25 20 N<br>LONGITUDE 111 33 05 W<br>DRAINAGE AREA km <sup>2</sup>                                         |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                    | 89                                            |                      | 20                                            | 87                                            |                            |                 | 13            |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                    |                                               |                      |                                               |                                               |                            |                 |               |                            |

P - PUMP SAMPLING  
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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                  | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | PARTICLE SIZE POINT | DEPTH | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|---------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-------|-----------------|---------------|----------------------------|
|             |                                       |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. |                     |       | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 07AF008     | SUNICE CREEK NEAR HINTON              | M-MS              | 1967       |                    | 1967         | 1967        |                     |       |                 |               |                            |
|             | LATITUDE 53 09 10 N                   | M-S               | 1968-71    | 1968-71            | 1968-70      | 1968-71     |                     |       |                 |               |                            |
|             | LONGITUDE 117 13 55 W                 | M-S               | 1972-73    | 1972-73            | 1972-73      | 1972-73     |                     |       |                 |               |                            |
|             | LAND DESCRIPTION S234-48-23-W5        | M-S               | 1974-83    | 1974-83            | 1977-82      | 1974-83     |                     |       |                 |               |                            |
|             | DRAINAGE AREA 17.1 km <sup>2</sup>    | M-S               | 1984-88    | 1984-88            | 1984-88      | 1984-88     |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES               |                   | 1156       | 330                | 801          |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW              |                   |            |                    |              |             |                     |       |                 |               |                            |
| 07AA010     | FIDDLE RIVER ABOVE MORRIS CREEK       | M-MS              | 1971       |                    | 1971         |             |                     |       |                 |               |                            |
|             | LATITUDE 53 10 40 N                   |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | LONGITUDE 117 48 53 W                 |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 203 km <sup>2</sup>     |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES               |                   | 23         | 23                 |              |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW              |                   |            |                    |              |             |                     |       |                 |               |                            |
| 07DC001     | FIREBAG RIVER NEAR THE MOUTH          | M-MS              | 1978-88    |                    | 1978-88      | 1978-88     |                     |       |                 |               |                            |
|             | LATITUDE 57 38 30 N                   |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | LONGITUDE 111 10 30 W                 |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | LAND DESCRIPTION NW38-88-05-W4        |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 5 990 km <sup>2</sup>   |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES               |                   | 82         | 38                 | 54           |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW              |                   |            |                    |              |             |                     |       |                 |               |                            |
| 05BK001     | FISH CREEK NEAR PRIDDIS               | M-MS              | 1969       |                    | 1969         |             |                     |       |                 |               |                            |
|             | LATITUDE 50 53 10 N                   | M-MS              | 1971-72    |                    | 1971         |             |                     |       |                 |               |                            |
|             | LONGITUDE 114 18 38 W                 | M-MS              | 1976-77    |                    |              | 1977        |                     |       |                 |               |                            |
|             | LAND DESCRIPTION N222-23-03-W5        |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 359 km <sup>2</sup>     |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES               |                   | 27         | 8                  | 1            |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW              |                   |            |                    |              |             |                     |       |                 |               |                            |
|             |                                       |                   |            |                    |              |             |                     |       |                 |               |                            |
| 07DD004     | FLETCHER CHANNEL BELOW DIVERGENCE     | M-MS              | 1971-74    |                    |              | 1971-73     |                     |       |                 |               |                            |
|             | LATITUDE 58 27 55 N                   | M-MS              | 1978-81    |                    | 1978-81      | 1978-81     |                     |       |                 |               | 1973-76                    |
|             | LONGITUDE 111 04 30 W                 |                   |            |                    |              |             |                     |       |                 |               | 1977-80                    |
|             | DRAINAGE AREA km <sup>2</sup>         |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES               |                   | 78         | 33                 | 70           |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW              |                   |            |                    |              |             |                     |       |                 |               |                            |
|             |                                       |                   |            |                    |              |             |                     |       |                 |               |                            |
| 05SB003     | FORTY MILE CREEK NEAR BANFF           | M-S               | 1972-73    | 1972-73            |              | 1972-73     |                     |       |                 |               |                            |
|             | LATITUDE 51 12 24 N                   |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | LONGITUDE 115 38 08 W                 |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | LAND DESCRIPTION NE10-28-12-W5        |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 133 km <sup>2</sup>     |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES               |                   | 128        | 123                |              |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW              |                   |            |                    |              |             |                     |       |                 |               |                            |
| 07AH001     | FREEMAN RIVER NEAR FORT ASSINIBOINE   | M-MS              | 1978-82    |                    | 1978-82      | 1974-82     |                     |       |                 |               |                            |
|             | LATITUDE 54 21 52 N                   | M-MS              | 1983-85    |                    | 1983-85      | 1983-85     |                     |       |                 |               | 1983-84                    |
|             | LONGITUDE 114 54 13 W                 | M-MS              | 1988-88    |                    | 1988-88      | 1988-88     |                     |       |                 |               | 1988                       |
|             | LAND DESCRIPTION NE13-82-07-W5        |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 1 980 km <sup>2</sup>   |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES               |                   | 84         | 55                 | 87           |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW              |                   |            |                    |              |             |                     |       |                 |               |                            |
| 07DD005     | GODSE ISLAND CHANNEL BELOW DIVERGENCE | M-MS              | 1971-74    |                    |              | 1971-73     |                     |       |                 |               |                            |
|             | LATITUDE 58 38 15 N                   | M-MS              | 1978-78    |                    | 1978         | 1978-78     |                     |       |                 |               | 1973-76                    |
|             | LONGITUDE 110 51 20 W                 | M-MS              | 1980-81    |                    | 1980-81      | 1980-81     |                     |       |                 |               | 1977-79                    |
|             | DRAINAGE AREA km <sup>2</sup>         |                   |            |                    |              |             |                     |       |                 |               | 1980                       |
|             | TOTAL NUMBER OF SAMPLES               |                   | 78         | 33                 | 88           |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW              |                   |            |                    |              |             |                     |       |                 |               |                            |
|             |                                       |                   |            |                    |              |             |                     |       |                 |               |                            |
| 07CB004     | HANGINGSTONE RIVER AT FORT MCMURRAY   | M-MS              | 1978-80    |                    | 1978-80      | 1978-80     |                     |       |                 |               |                            |
|             | LATITUDE 55 42 18 N                   |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | LONGITUDE 111 21 30 W                 |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | LAND DESCRIPTION NW10-88-08-W4        |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 959 km <sup>2</sup>     |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES               |                   | 20         | 14                 | 20           |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW              |                   |            |                    |              |             |                     |       |                 |               |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                                                                  | TYPE OF OPERATION                 | CONC. DATA                                                  | LOSS                                                        | SUSPENDED SEDIMENT                                          |                                                             | WATER TEMP. | PARTICLE SIZE |       | SED LOAD        |               | SED MATERIAL PARTICLE SIZE |
|-------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------|---------------|-------|-----------------|---------------|----------------------------|
|             |                                                                                                                       |                                   |                                                             |                                                             | DISS. SOLIDS                                                |                                                             |             | POINT         | DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 07BAG05     | HARTLEY CREEK NEAR FORT MACKAY                                                                                        | M-MS                              | 1978-88                                                     |                                                             | 1978-88                                                     | 1978-88                                                     |             |               |       |                 |               |                            |
|             | LATITUDE 57 16 34 N<br>LONGITUDE 111 27 53 W<br>LAND DESCRIPTION HW19-88-09-W4<br>DRAINAGE AREA 358 km <sup>2</sup>   |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                   | 72                                                          |                                                             | 40                                                          | 89                                                          |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
| 08BLO19     | HIGHWOOD RIVER AT DIEREL'S RANCH                                                                                      | M-MS<br>M-MS<br>M-MS              | 1989<br>1971-73<br>1978-77                                  |                                                             | 1989<br>1971<br>1977                                        |                                                             |             |               | 1971  |                 |               |                            |
|             | LATITUDE 50 26 20 N<br>LONGITUDE 114 29 50 W<br>LAND DESCRIPTION WW04-17-04-W3<br>DRAINAGE AREA 774 km <sup>2</sup>   |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                   | 38                                                          |                                                             | 20                                                          | 3                                                           |             |               | 3     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             |                                                                                                                       |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
| 08BLO21     | HIGHWOOD RIVER BELOW PICKLEJAN CREEK                                                                                  | M-MS<br>M-MS                      | 1971<br>1978-77                                             |                                                             | 1971                                                        | 1977                                                        |             |               |       |                 |               |                            |
|             | LATITUDE 50 28 58 N<br>LONGITUDE 114 49 02 W<br>LAND DESCRIPTION WW08-18-08-W3<br>DRAINAGE AREA 132 km <sup>2</sup>   |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                   | 14                                                          |                                                             | 10                                                          | 2                                                           |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             |                                                                                                                       |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
| 08BLO28     | HIGHWOOD RIVER NEAR ALDERSTYDE                                                                                        | M-MS                              | 1978-77                                                     |                                                             |                                                             | 1977                                                        |             |               |       |                 |               |                            |
|             | LATITUDE 50 41 54 N<br>LONGITUDE 113 51 23 W<br>LAND DESCRIPTION HW17-20-28-W4<br>DRAINAGE AREA 2 360 km <sup>2</sup> |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                   | 8                                                           |                                                             |                                                             | 1                                                           |             |               |       |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1910                                                                                      |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
| 08BLO24     | HIGHWOOD RIVER NEAR THE MOUTH                                                                                         | M-S<br>M-C<br>M-S<br>M-MS<br>M-MS | 1970-71<br>1972-77<br>1979<br>1979-80<br>1981-85<br>1985-88 | 1970-71<br>1972-77<br>1979<br>1979-80<br>1981-85<br>1985-88 | 1970-71<br>1972-77<br>1979<br>1979-80<br>1981-85<br>1985-88 | 1970-71<br>1972-77<br>1979<br>1979-80<br>1981-85<br>1985-88 |             |               |       |                 |               |                            |
|             | LATITUDE 50 47 00 N<br>LONGITUDE 113 49 13 W<br>LAND DESCRIPTION HW19-21-28-W4<br>DRAINAGE AREA 3 990 km <sup>2</sup> |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                   | 599                                                         |                                                             | 835                                                         | 187                                                         |             |               | 38    |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1910                                                                                      |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
| 07CP007     | HORSE CREEK NEAR VALLEYVIEW                                                                                           | M-S<br>M-MS<br>M-MS               | 1970-74<br>1978<br>1978-81                                  | 1970-74                                                     | 1970-71<br>1978<br>1978-81                                  | 1970-74                                                     |             |               |       |                 |               |                            |
|             | LATITUDE 54 55 19 N<br>LONGITUDE 117 48 47 W<br>DRAINAGE AREA 4.27 km <sup>2</sup>                                    |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                   | 120                                                         |                                                             | 88                                                          | 98                                                          |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
| 08BFO02     | IRON CREEK NEAR HARDISTY                                                                                              | M-MS                              | 1971                                                        |                                                             | 1971                                                        |                                                             |             |               |       |                 |               |                            |
|             | LATITUDE 52 42 28 N<br>LONGITUDE 111 16 38 W<br>LAND DESCRIPTION HW13-42-10-W4<br>DRAINAGE AREA 3 800 km <sup>2</sup> |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                   | 1                                                           |                                                             | 1                                                           |                                                             |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
| 07DD009     | JACKPISH CREEK ABOVE ATHABASCA RIVER                                                                                  | M-MS                              | 1972-73                                                     |                                                             | 1973                                                        |                                                             |             |               | 1973  |                 |               |                            |
|             | LATITUDE 58 24 20 N<br>LONGITUDE 110 55 12 W<br>DRAINAGE AREA 2 010 km <sup>2</sup>                                   |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                   | 8                                                           |                                                             | 2                                                           |                                                             |             |               | 1     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
| 08CA002     | JAMES RIVER NEAR SUNDRE                                                                                               | M-MS                              | 1971-72                                                     |                                                             | 1971                                                        |                                                             |             |               |       |                 |               |                            |
|             | LATITUDE 51 55 37 N<br>LONGITUDE 114 51 04 W<br>LAND DESCRIPTION SW30-34-05-W3<br>DRAINAGE AREA 821 km <sup>2</sup>   |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                                   | 18                                                          |                                                             | 10                                                          |                                                             |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                                   |                                                             |                                                             |                                                             |                                                             |             |               |       |                 |               |                            |

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## ALBERTA

| STATION NO. | NAME                                     | TYPE OF OPERATION | CONC. DATA | LOADS | SUSPENDED SEDIMENT |             |                           | SED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------|-------------------|------------|-------|--------------------|-------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                          |                   |            |       | DISS. SOLIDS       | WATER TEMP. | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 07DA018     | JOSLYN CREEK NEAR FORT MACKAY            | M-MS              | 1978-78    |       |                    | 1978-78     | 1978                      |                 |               |                            |
|             | LATITUDE 57 18 27 N                      | M-MS              | 1978-80    |       | 1978-80            | 1978-80     | 1978                      |                 |               |                            |
|             | LONGITUDE 111 44 30 W                    | M-MS              | 1981-82    |       | 1981-82            | 1981-82     | 1981                      |                 |               |                            |
|             | LAND DESCRIPTION NE29-85-11-W4           | M-MS              | 1982-84    |       | 1982-84            | 1982-84     | 1982                      |                 |               |                            |
|             | DRAINAGE AREA 257 km <sup>2</sup>        | M-MS              | 1985-87    |       | 1985-87            | 1985-87     | 1985                      |                 |               |                            |
|             |                                          |                   | 1988       |       | 1988               | 1988        | 1988                      |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 72         |       | 39                 | 89          | 8                         |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |       |                    |             |                           |                 |               |                            |
| 08BH008     | JUMPINGPOUND CREEK NEAR THE MOUTH        | M-MS              | 1972       |       |                    |             |                           |                 |               |                            |
|             | LATITUDE 51 08 18 N                      |                   |            |       |                    |             |                           |                 |               |                            |
|             | LONGITUDE 114 31 42 W                    |                   |            |       |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION NW20-28-04-W5           |                   |            |       |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 571 km <sup>2</sup>        |                   |            |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 12         |       |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |       |                    |             |                           |                 |               |                            |
|             |                                          |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 810  |
| 08BF002     | KANANASKIS RIVER ABOVE LOWER LAKE        | M-MS              | 1971       |       | 1971               |             |                           |                 |               |                            |
|             | LATITUDE 50 37 30 N                      |                   |            |       |                    |             |                           |                 |               |                            |
|             | LONGITUDE 118 07 30 W                    |                   |            |       |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 151 km <sup>2</sup>        |                   |            |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 2          |       | 2                  |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                    |                   |            |       |                    |             |                           |                 |               |                            |
| 07HF002     | KEE RIVER AT HIGHWAY NO. 38              | M-MS              | 1974-80    |       | 1978-80            | 1974-80     | 1978                      |                 |               |                            |
|             | LATITUDE 57 44 40 N                      | M-MS              | 1981-82    |       | 1981-82            | 1981-82     | 1981-82                   |                 |               |                            |
|             | LONGITUDE 117 37 20 W                    | M-MS              | 1984-88    |       | 1984-88            | 1984-88     | 1984-88                   |                 |               |                            |
|             | LAND DESCRIPTION SE12-101-23-W5          |                   |            |       |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 937 km <sup>2</sup>        |                   |            |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 108        |       | 88                 | 108         | 18                        |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |       |                    |             |                           |                 |               |                            |
| 07KF002     | LAKE CLAIRE NEAR OUTLET TO PRAIRIE RIVER | M-MS              | 1975       |       | 1975               |             | 1975                      |                 |               | 1975                       |
|             | LATITUDE 58 38 00 N                      |                   |            |       |                    |             |                           |                 |               |                            |
|             | LONGITUDE 111 41 50 W                    |                   |            |       |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA km <sup>2</sup>            |                   |            |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 10         |       | 9                  |             | 1                         |                 |               | 1                          |
|             | REMARK(S) - REGULATED SINCE 1987         |                   |            |       |                    |             |                           |                 |               |                            |
| 08AE037     | LEE CREEK AT BEAZER                      | M-MS              | 1978       |       | 1978               |             |                           |                 |               |                            |
|             | LATITUDE 48 08 48 N                      | M-MS              | 1981-82    |       | 1981-82            |             |                           |                 |               |                            |
|             | LONGITUDE 113 28 00 W                    |                   |            |       |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION NW12-02-27-W4           |                   |            |       |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 175 km <sup>2</sup>        |                   |            |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 12         |       | 12                 |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |       |                    |             |                           |                 |               |                            |
|             |                                          |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 810  |
| 08AE002     | LEE CREEK AT CARDSTON                    | M-MS              | 1972       |       | 1971               |             |                           |                 |               |                            |
|             | LATITUDE 48 12 00 N                      |                   |            |       |                    |             |                           |                 |               |                            |
|             | LONGITUDE 113 17 48 W                    |                   |            |       |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION NW10-03-25-W4           |                   |            |       |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 307 km <sup>2</sup>        |                   |            |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 17         |       | 9                  |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                    |                   |            |       |                    |             |                           |                 |               |                            |
|             |                                          |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 810  |
| 07BK010     | LESSER SLAVE LAKE AT SAWRIDGE            | M-MS              | 1981       |       | 1981               | 1981        |                           |                 |               |                            |
|             | LATITUDE 55 18 00 N                      |                   |            |       |                    |             |                           |                 |               |                            |
|             | LONGITUDE 114 48 00 W                    |                   |            |       |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION SW07-73-08-W5           |                   |            |       |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 13 800 km <sup>2</sup>     |                   |            |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 39         |       | 23                 | 39          |                           |                 |               |                            |
|             | REMARK(S) -                              |                   |            |       |                    |             |                           |                 |               |                            |
| 07BJ008     | LESSER SLAVE LAKE AT SLAVE LAKE          | M-MS              | 1980       |       | 1980               |             |                           |                 |               |                            |
|             | LATITUDE 55 18 15 N                      |                   |            |       |                    |             |                           |                 |               |                            |
|             | LONGITUDE 114 48 15 W                    |                   |            |       |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION SE12-73-08-W5           |                   |            |       |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 13 800 km <sup>2</sup>     |                   |            |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 1          |       | 1                  | 1           |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |       |                    |             |                           |                 |               |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                               | TYPE OF OPERATION | CONC. DATA | LOADS   | SUSPENDED SEDIMENT |             | BED LOAD                  |                 | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------------------------------|-------------------|------------|---------|--------------------|-------------|---------------------------|-----------------|----------------------------|
|             |                                                                    |                   |            |         | DISS. SOLIDS       | WATER TEMP. | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS |                            |
| 078K008     | LESSER SLAVE RIVER AT HIGHWAY NO. 2A                               | M-MS              | 1977       |         |                    | 1977        |                           |                 |                            |
|             |                                                                    | M-MS              | 1978-80    |         | 1978-80            | 1978-80     |                           |                 |                            |
|             |                                                                    | M-S               | 1981       | 1981    | 1981               | 1981        |                           |                 |                            |
|             | LATITUDE 55 17 38 N                                                | M-MS              | 1982       |         | 1982               | 1982        |                           |                 |                            |
|             | LONGITUDE 114 35 28 W                                              | M-S               | 1983-87    | 1983-87 | 1983-87            | 1983-87     |                           |                 |                            |
|             | LAND DESCRIPTION NE05-73-04-W5                                     | M-MS              | 1988       |         | 1988               | 1988        |                           |                 |                            |
|             | DRAINAGE AREA 14 400 km <sup>2</sup>                               |                   |            |         |                    |             |                           |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                            |                   | 477        |         | 282                | 495         |                           | 7               | 1 1                        |
|             | REMARK(S) - NATURAL FLOW                                           |                   |            |         |                    |             |                           |                 |                            |
| 078K001     | LESSER SLAVE RIVER AT SLAVE LAKE                                   | M-MS              | 1978       |         |                    | 1978        |                           |                 |                            |
|             | LATITUDE 55 18 18 N                                                |                   |            |         |                    |             |                           |                 |                            |
|             | LONGITUDE 114 45 08 W                                              |                   |            |         |                    |             |                           |                 |                            |
|             | LAND DESCRIPTION SE07-73-05-W5                                     |                   |            |         |                    |             |                           |                 |                            |
|             | DRAINAGE AREA 13 800 km <sup>2</sup>                               |                   |            |         |                    |             |                           |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                            |                   | 1          |         |                    | 1           |                           |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                           |                   |            |         |                    |             |                           |                 | - DATA CONTRIBUTED BY O10  |
| 05AB016     | LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT MENZACHIES BRIDGE | M-MS              | 1977       |         |                    | 1977        |                           |                 |                            |
|             | LATITUDE 49 43 39 N                                                |                   |            |         |                    |             |                           |                 |                            |
|             | LONGITUDE 113 33 00 W                                              |                   |            |         |                    |             |                           |                 |                            |
|             | LAND DESCRIPTION NE11-08-27-W4                                     |                   |            |         |                    |             |                           |                 |                            |
|             | DRAINAGE AREA km <sup>2</sup>                                      |                   |            |         |                    |             |                           |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                            |                   | 5          |         |                    | 5           |                           |                 |                            |
|             | REMARK(S) - REGULATED                                              |                   |            |         |                    |             |                           |                 | - DATA CONTRIBUTED BY O10  |
| 078B005     | LITTLE PADDLE RIVER NEAR MAYENTHORPE                               | M-MS              | 1971       |         | 1971               |             |                           |                 |                            |
|             |                                                                    | M-MS              | 1974-77    |         |                    | 1974-77     |                           |                 |                            |
|             |                                                                    | M-MS              | 1978-79    |         | 1978-79            | 1978-79     |                           |                 |                            |
|             | LATITUDE 52 57 51 N                                                | M-MS              | 1980-81    |         | 1980-81            | 1980-81     |                           |                 |                            |
|             | LONGITUDE 115 10 28 W                                              | M-MS              | 1982-83    |         | 1982-83            | 1982-83     |                           |                 |                            |
|             | LAND DESCRIPTION SE31-57-08-W5                                     | M-MS              | 1984-85    |         | 1984-85            | 1984-85     |                           |                 |                            |
|             | DRAINAGE AREA 298 km <sup>2</sup>                                  | M-MS              | 1986-88    |         | 1986-88            | 1986-88     |                           |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                            |                   | 131        |         | 79                 | 84          |                           | 10              |                            |
|             | REMARK(S) - NATURAL FLOW                                           |                   |            |         |                    |             |                           |                 |                            |
| 05CB002     | LITTLE RED DEER RIVER NEAR WATER VALLEY                            | M-MS              | 1971-72    |         | 1971               |             |                           |                 |                            |
|             | LATITUDE 51 30 41 N                                                |                   |            |         |                    |             |                           |                 |                            |
|             | LONGITUDE 114 40 19 W                                              |                   |            |         |                    |             |                           |                 |                            |
|             | LAND DESCRIPTION NW29-28-08-W5                                     |                   |            |         |                    |             |                           |                 |                            |
|             | DRAINAGE AREA 449 km <sup>2</sup>                                  |                   |            |         |                    |             |                           |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                            |                   | 15         |         | 7                  |             |                           | 2               |                            |
|             | REMARK(S) - NATURAL FLOW                                           |                   |            |         |                    |             |                           |                 | - DATA CONTRIBUTED BY S10  |
| 078C002     | LITTLE SMOKY RIVER AT LITTLE SMOKY                                 | M-MS              | 1989       |         | 1989               |             |                           |                 |                            |
|             | LATITUDE 54 44 24 N                                                |                   |            |         |                    |             |                           |                 |                            |
|             | LONGITUDE 117 10 48 W                                              |                   |            |         |                    |             |                           |                 |                            |
|             | LAND DESCRIPTION SE25-08-23-W5                                     |                   |            |         |                    |             |                           |                 |                            |
|             | DRAINAGE AREA 3 010 km <sup>2</sup>                                |                   |            |         |                    |             |                           |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                            |                   | 1          |         | 1                  |             |                           |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                           |                   |            |         |                    |             |                           |                 |                            |
| 05EC008     | LLOYD CREEK NEAR BLUFFTON                                          | M-MS              | 1971       |         | 1971               | 1971        |                           |                 |                            |
|             | LATITUDE 52 44 20 N                                                |                   |            |         |                    |             |                           |                 |                            |
|             | LONGITUDE 114 08 50 W                                              |                   |            |         |                    |             |                           |                 |                            |
|             | LAND DESCRIPTION NE25-43-03-W5                                     |                   |            |         |                    |             |                           |                 |                            |
|             | DRAINAGE AREA 241 km <sup>2</sup>                                  |                   |            |         |                    |             |                           |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                            |                   | 7          |         | 7                  |             |                           |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                           |                   |            |         |                    |             |                           |                 |                            |
| 078D002     | LOVETT RIVER NEAR THE MOUTH                                        | M-                | 1978-78    |         |                    | 1978-77     |                           |                 |                            |
|             |                                                                    | M-                | 1978-80    |         |                    | 1978-80     |                           |                 |                            |
|             | LATITUDE 52 59 50 N                                                | M-MS              | 1982       |         |                    | 1982        |                           |                 |                            |
|             | LONGITUDE 118 39 20 W                                              | M-                | 1986       |         |                    | 1986        |                           |                 |                            |
|             | LAND DESCRIPTION NW25-45-19-W5                                     | M-MS              | 1987-88    |         | 1987-88            | 1987-88     |                           |                 |                            |
|             | DRAINAGE AREA 101 km <sup>2</sup>                                  |                   |            |         |                    |             |                           |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                            |                   | 82         |         | 42                 | 85          |                           | 2               |                            |
|             | REMARK(S) - NATURAL FLOW                                           |                   |            |         |                    |             |                           |                 |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|----------------------------|
|             |                                     |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE              |
| 0708001     | MACKAY RIVER NEAR FORT MACKAY       | M-MS              | 1975-77    |                    |              | 1975-77     |                     |                 |                            |
|             | LATITUDE 57 12 38 N                 | M-MS              | 1975-87    |                    | 1975-87      | 1975-87     |                     |                 | 1975                       |
|             | LONGITUDE 111 41 38 W               | M-MS              | 1988       |                    | 1988         | 1988        |                     |                 | 1988                       |
|             | LAND DESCRIPTION SE03-08-11-W4      |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 5 570 km <sup>2</sup> |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 87         |                    | 41           | 84          |                     | 4               |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |                    |              |             |                     |                 |                            |
| 07KFO10     | MAMAWI LAKE CHANNEL AT DGE CAMP     | M-MS              | 1971       |                    |              | 1971        |                     |                 |                            |
|             | LATITUDE 58 38 50 N                 | M-MS              | 1973-74    |                    |              | 1973        |                     |                 | 1973                       |
|             | LONGITUDE 111 18 40 W               | M-MS              | 1978-77    |                    | 1978-77      | 1978-77     |                     |                 | 1978                       |
|             | DRAINAGE AREA km <sup>2</sup>       | M-MS              | 1979-80    |                    | 1979-80      | 1980        |                     |                 | 1980                       |
|             | TOTAL NUMBER OF SAMPLES             |                   | 89         |                    | 14           | 42          |                     | 31              |                            |
|             | REMARK(S) - REGULATED SINCE 1957    |                   |            |                    |              |             |                     |                 |                            |
|             | - DATA CONTRIBUTED BY 010           |                   |            |                    |              |             |                     |                 |                            |
| 07KFO03     | MAMAWI LAKE CHANNEL AT OLD DGE CAMP | M-MS              | 1978       |                    |              | 1978        |                     |                 | 1978                       |
|             | LATITUDE 58 36 00 N                 | M-MS              | 1978       |                    |              | 1978        |                     |                 | 1978                       |
|             | LONGITUDE 111 20 00 W               | M-MS              | 1981       |                    | 1981         | 1981        |                     |                 | 1981                       |
|             | DRAINAGE AREA km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 33         |                    | 9            | 31          |                     | 1               |                            |
|             | REMARK(S) - REGULATED SINCE 1957    |                   |            |                    |              |             |                     |                 |                            |
|             | - DATA CONTRIBUTED BY 010           |                   |            |                    |              |             |                     |                 |                            |
| 05AF010     | MANYBERRIES CREEK AT BRODIN'S FARM  | M-MS              | 1971       |                    |              | 1971        |                     |                 |                            |
|             | LATITUDE 49 21 30 N                 |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 110 43 30 W               |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION NE03-05-05-W4      |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 338 km <sup>2</sup>   |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 1          |                    | 1            |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |                    |              |             |                     |                 |                            |
| 058FO18     | MARMOT CREEK MAIN STEM NEAR SEES    | M-S               | 1983       | 1983               | 1983         | 1983        |                     |                 |                            |
|             | LATITUDE 50 57 01 N                 | M-C               | 1984-71    | 1984-71            | 1984-71      | 1984-71     |                     |                 |                            |
|             | LONGITUDE 115 09 08 W               | D-S               | 1972-78    | 1972-78            | 1977-78      | 1972-78     |                     |                 |                            |
|             | LAND DESCRIPTION NE11-23-08-W5      | M-S               | 1980-83    | 1980-83            | 1980-83      | 1980-83     |                     |                 |                            |
|             | DRAINAGE AREA 5.40 km <sup>2</sup>  |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 1174       |                    | 584          | 983         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |                    |              |             |                     |                 |                            |
| 07AF002     | MCELD RIVER ABOVE EMBARRAS RIVER    | M-MS              | 1978-85    |                    | 1978-85      | 1978-85     |                     |                 | 1980                       |
|             | LATITUDE 53 38 12 N                 | M-MS              | 1987-88    |                    | 1987-88      | 1987-88     |                     |                 |                            |
|             | LONGITUDE 118 37 48 W               |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SE07-52-18-W5      |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 2 880 km <sup>2</sup> |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 78         |                    | 81           | 71          |                     | 2               |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |                    |              |             |                     |                 |                            |
| 07AC004     | MCELD RIVER NEAR WHITECOURT         | M-MS              | 1978-81    |                    | 1978-81      | 1977-81     |                     |                 | 1980                       |
|             | LATITUDE 54 00 48 N                 | M-MS              | 1982-88    |                    | 1982-88      | 1982-88     |                     |                 | 1983                       |
|             | LONGITUDE 118 50 18 W               |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SE18-55-13-W5      |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 9 100 km <sup>2</sup> |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 77         |                    | 55           | 88          |                     | 4               |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |                    |              |             |                     |                 |                            |
| 07AC001     | MCELD RIVER NEAR WOLF CREEK         | M-MS              | 1988       |                    | 1988         |             |                     |                 |                            |
|             | LATITUDE 53 38 15 N                 |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 118 18 50 W               |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION NW16-54-18-W5      |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 5 310 km <sup>2</sup> |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 1          |                    | 1            |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |                    |              |             |                     |                 |                            |
| 05AB028     | MEADOW CREEK NEAR THE MOUTH         | M-MS              | 1971-73    |                    | 1971         |             |                     |                 |                            |
|             | LATITUDE 49 57 15 N                 |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 113 39 43 W               |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION NW32-11-27-W4      |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 130 km <sup>2</sup>   |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 14         |                    | 4            |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |                    |              |             |                     |                 |                            |
|             | - DATA CONTRIBUTED BY 010           |                   |            |                    |              |             |                     |                 |                            |

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| STATION NO. | NAME                                                     | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT        |              |             | BED LOAD            |       | BED MATERIAL PARTICLE SIZE      |
|-------------|----------------------------------------------------------|-------------------|------------|---------------------------|--------------|-------------|---------------------|-------|---------------------------------|
|             |                                                          |                   |            | LOADS                     | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH |                                 |
| 05C8020     | MICHICHI CREEK AT DRUMHELLER                             | M-MS              | 1975       |                           |              |             |                     |       | 1975                            |
|             | LATITUDE 51 28 17 N                                      |                   |            |                           |              |             |                     |       |                                 |
|             | LONGITUDE 112 42 58 W                                    |                   |            |                           |              |             |                     |       |                                 |
|             | LAND DESCRIPTION NW11-28-20-W4                           |                   |            |                           |              |             |                     |       |                                 |
|             | DRAINAGE AREA 1 140 km <sup>2</sup>                      |                   |            |                           |              |             |                     |       |                                 |
|             | TOTAL NUMBER OF SAMPLES                                  |                   | 1          |                           |              |             |                     | 1     |                                 |
|             | REMARK(S) - NATURAL FLOW                                 |                   |            |                           |              |             |                     |       |                                 |
| 05B9020     | MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE                   | M-MS              | 1975-76    |                           | 1975         | 1975        |                     |       |                                 |
|             | LATITUDE 50 57 30 N                                      |                   |            |                           |              |             |                     |       |                                 |
|             | LONGITUDE 115 11 58 W                                    |                   |            |                           |              |             |                     |       |                                 |
|             | LAND DESCRIPTION NW18-23-09-W5                           |                   |            |                           |              |             |                     |       |                                 |
|             | DRAINAGE AREA 1.17 km <sup>2</sup>                       |                   |            |                           |              |             |                     |       |                                 |
|             | TOTAL NUMBER OF SAMPLES                                  |                   | 5          |                           | 4            | 2           |                     |       |                                 |
|             | REMARK(S) - NATURAL FLOW                                 |                   |            |                           |              |             |                     |       |                                 |
| 05B9017     | MIDDLE FORK CREEK NEAR SEEBE                             |                   |            |                           |              |             |                     |       | 1984-88V                        |
|             | LATITUDE 50 57 34 N                                      | M-C               | 1985-74    | 1985-74                   | 1985-71      | 1985-74     |                     |       | 1985-74V                        |
|             | LONGITUDE 115 10 18 W                                    | M-S               | 1975       | 1975                      |              | 1975        |                     |       | 1975 V                          |
|             | LAND DESCRIPTION NW18-23-09-W5                           | M-C               | 1975-77    | 1975-77                   | 1977         | 1975-77     |                     |       | 1975-77V                        |
|             | DRAINAGE AREA 2.85 km <sup>2</sup>                       | M-S               | 1975-83    | 1975-83                   | 1975-83      | 1975-83     |                     |       | 1975 V                          |
|             |                                                          | M-MS              | 1985       |                           | 1985         | 1985        | 1985                |       |                                 |
|             | TOTAL NUMBER OF SAMPLES                                  |                   | 805        |                           | 375          | 782         |                     | 2     | 15                              |
|             | REMARK(S) - NATURAL FLOW                                 |                   |            |                           |              |             |                     |       |                                 |
| 05A8023     | MIDDLE STANLEY CREEK NEAR NANTON                         | M-S               | 1985       | 1985                      | 1985         | 1985        |                     |       | 1985 V                          |
|             | LATITUDE 50 05 31 N                                      | M-C               | 1985       | 1985                      | 1985         | 1985        |                     |       | 1985 V                          |
|             | LONGITUDE 114 03 00 W                                    | M-S               | 1987       | 1987                      | 1987         | 1987        |                     |       | 1987 V                          |
|             | LAND DESCRIPTION SE27-13-01-W5                           |                   |            |                           |              |             |                     |       |                                 |
|             | DRAINAGE AREA 0.81 km <sup>2</sup>                       |                   |            |                           |              |             |                     |       |                                 |
|             | TOTAL NUMBER OF SAMPLES                                  |                   | 15         |                           | 15           | 11          |                     |       | 3                               |
|             | REMARK(S) - NATURAL FLOW                                 |                   |            |                           |              |             |                     |       |                                 |
| 07AA001     | NIETTE RIVER NEAR JASPER                                 | M-MS              | 1989       |                           | 1989         |             |                     |       |                                 |
|             | LATITUDE 53 51 50 N                                      |                   |            |                           |              |             |                     |       |                                 |
|             | LONGITUDE 115 09 21 W                                    |                   |            |                           |              |             |                     |       |                                 |
|             | DRAINAGE AREA 530 km <sup>2</sup>                        |                   |            |                           |              |             |                     |       |                                 |
|             | REMARK(S) - NATURAL FLOW                                 |                   |            |                           |              |             |                     |       |                                 |
| 11AA021     | MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY | M-MS              | 1974       |                           |              | 1974        |                     |       |                                 |
|             | LATITUDE 48 59 03 N                                      | M-S               | 1975       | 1975                      |              | 1975        |                     |       | 1975                            |
|             | LONGITUDE 110 28 10 W                                    | M-MS              | 1975       |                           |              | 1975        |                     |       | 1975                            |
|             | LAND DESCRIPTION NW07-37-10-EP                           | M-S               | 1981-82    | 1981-82                   | 1981-82      | 1981-82     |                     |       |                                 |
|             | DRAINAGE AREA 8 480 km <sup>2</sup>                      |                   |            |                           |              |             |                     |       |                                 |
|             | TOTAL NUMBER OF SAMPLES                                  |                   | 215        |                           | 175          | 212         |                     | 23    | 2                               |
|             | REMARK(S) - REGULATED SINCE 1917                         |                   |            | - DATA CONTRIBUTED BY 800 |              |             |                     |       | - INTERNATIONAL GAUGING STATION |
| 11AA025     | MILK RIVER AT HIGHWAY NO. 880                            | M-MS              | 1981       |                           | 1981         |             |                     |       |                                 |
|             | LATITUDE 49 08 44 N                                      |                   |            |                           |              |             |                     |       |                                 |
|             | LONGITUDE 111 18 19 W                                    |                   |            |                           |              |             |                     |       |                                 |
|             | LAND DESCRIPTION SE29-02-10-W4                           |                   |            |                           |              |             |                     |       |                                 |
|             | DRAINAGE AREA 4 980 km <sup>2</sup>                      |                   |            |                           |              |             |                     |       |                                 |
|             | TOTAL NUMBER OF SAMPLES                                  |                   | 1          |                           | 1            |             |                     |       |                                 |
|             | REMARK(S) - REGULATED SINCE 1916                         |                   |            |                           |              |             |                     |       |                                 |
| 11AA026     | MILK RIVER AT MILK RIVER                                 | M-MS              | 1974-75    |                           |              | 1974-75     |                     |       |                                 |
|             | LATITUDE 49 08 37 N                                      | M-S               | 1981-82    | 1981-82                   | 1981-82      | 1981-82     |                     |       | 1981-82                         |
|             | LONGITUDE 112 04 44 W                                    | M-MS              | 1983-87    | 1983-87                   | 1983-87      | 1983-87     |                     |       | 1983-88                         |
|             | LAND DESCRIPTION NE21-03-18-W4                           | M-MS              | 1985       |                           | 1985         | 1985        |                     |       | 1985                            |
|             | DRAINAGE AREA 2 730 km <sup>2</sup>                      |                   |            |                           |              |             |                     |       |                                 |
|             | TOTAL NUMBER OF SAMPLES                                  |                   | 187        |                           | 124          | 189         |                     | 9     |                                 |
|             | REMARK(S) - REGULATED SINCE 1916                         |                   |            | - DATA CONTRIBUTED BY 800 |              |             |                     |       | - INTERNATIONAL GAUGING STATION |
| 11AA028     | MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY | M-MS              | 1974-75    |                           |              | 1974-75     |                     |       |                                 |
|             | LATITUDE 49 00 27 N                                      | M-MS              | 1981-82    |                           | 1981-82      | 1981-82     |                     |       | 1982                            |
|             | LONGITUDE 112 32 42 W                                    |                   |            |                           |              |             |                     |       |                                 |
|             | LAND DESCRIPTION NE01-01-30-W4                           |                   |            |                           |              |             |                     |       |                                 |
|             | DRAINAGE AREA 1 050 km <sup>2</sup>                      |                   |            |                           |              |             |                     |       |                                 |
|             | TOTAL NUMBER OF SAMPLES                                  |                   | 97         |                           | 82           | 83          |                     | 1     |                                 |
|             | REMARK(S) - REGULATED                                    |                   |            | - DATA CONTRIBUTED BY 800 |              |             |                     |       | - INTERNATIONAL GAUGING STATION |

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 D - DUAL PUMP AND MANUAL SAMPLING

C - CONTINUOUS OPERATION  
 MS - MISCELLANEOUS OPERATION  
 S - SEASONAL OPERATION

V - VOLUMETRIC MEASUREMENT  
 SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                                                                   | TYPE OF OPERATION | CONC. DATA              | LOADS                   | SUSPENDED SEDIMENT              |         | WATER |       | PARTICLE SIZE   |               | BED LOAD |  | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------|-------------------------|---------------------------------|---------|-------|-------|-----------------|---------------|----------|--|----------------------------|
|             |                                                                                                                        |                   |                         |                         | DISS. SOLIDS                    | TEMP.   | PRINT | DEPTH | VOLUME OR LOADS | PARTICLE SIZE |          |  |                            |
| 11AA035     | MILK RIVER NEAR PENDANT D'OREILLE                                                                                      | M-MS              | 1981-82                 |                         | 1981-82                         | 1981-82 |       |       |                 |               |          |  |                            |
|             | LATITUDE 49 07 25 N<br>LONGITUDE 110 52 15 W<br>LAND DESCRIPTION NW15-02-07-W4<br>DRAINAGE AREA 8 040 km <sup>2</sup>  |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                   | 51                      |                         | 51                              | 50      |       |       |                 |               |          |  |                            |
|             | REMARK(S) - REGULATED SINCE 1916                                                                                       |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             |                                                                                                                        |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
| 11AA034     | MILK RIVER NEAR WRITING-ON-STONE PARK                                                                                  | M-MS              | 1981-82                 |                         | 1981-82                         | 1981-82 |       |       |                 |               |          |  |                            |
|             | LATITUDE 49 05 18 N<br>LONGITUDE 111 32 05 W<br>LAND DESCRIPTION SW03-02-12-W4<br>DRAINAGE AREA 4 390 km <sup>2</sup>  |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                   | 51                      |                         | 51                              | 49      |       |       |                 |               |          |  |                            |
|             | REMARK(S) - REGULATED SINCE 1916                                                                                       |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             |                                                                                                                        |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
| 05AA011     | MILL CREEK NEAR THE MOUTH                                                                                              | M-MS              | 1971-72                 |                         | 1971                            | 1971    |       |       |                 |               |          |  |                            |
|             | LATITUDE 49 28 10 N<br>LONGITUDE 114 08 00 W<br>LAND DESCRIPTION SW18-08-01-W5<br>DRAINAGE AREA 179 km <sup>2</sup>    |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                   | 25                      |                         | 13                              |         |       |       |                 |               |          |  |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             |                                                                                                                        |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
| 05DA007     | MISTAYA RIVER NEAR SASKATCHEWAN CROSSING                                                                               | M-MS              | 1971                    |                         | 1971                            |         |       |       |                 |               |          |  |                            |
|             | LATITUDE 51 53 04 N<br>LONGITUDE 116 41 17 W<br>LAND DESCRIPTION SW08-34-19-W5<br>DRAINAGE AREA 249 km <sup>2</sup>    |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                   | 1                       |                         | 1                               |         |       |       |                 |               |          |  |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             |                                                                                                                        |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
| 07DA008     | MUSKIE RIVER NEAR PORT MACKAY                                                                                          | M-MS              | 1978-88                 |                         | 1978-88                         | 1978-88 |       |       |                 |               |          |  |                            |
|             | LATITUDE 57 11 30 N<br>LONGITUDE 111 34 05 W<br>LAND DESCRIPTION NE20-84-10-W4<br>DRAINAGE AREA 1 460 km <sup>2</sup>  |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                   | 74                      |                         | 41                              | 72      |       |       |                 |               |          |  |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             |                                                                                                                        |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
| 11AA032     | NORTH FORK MILK RIVER ABOVE ST. MARY CANAL                                                                             | M-MS              | 1974-78                 |                         | 1974-78                         |         |       |       |                 |               |          |  |                            |
|             | LATITUDE 48 58 15 N<br>LONGITUDE 113 03 15 W<br>LAND DESCRIPTION NE16-37-11-WP<br>DRAINAGE AREA 156 km <sup>2</sup>    |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                   | 25                      |                         | 25                              |         |       |       |                 |               |          |  |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             |                                                                                                                        |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
| 11AA001     | NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY                                                                           | M-MS              | 1974                    |                         | 1974                            |         |       |       |                 |               |          |  |                            |
|             | LATITUDE 49 01 19 N<br>LONGITUDE 112 58 18 W<br>LAND DESCRIPTION NE11-01-23-W4<br>DRAINAGE AREA 238 km <sup>2</sup>    | M-S<br>M-MS       | 1975-78<br>1981<br>1982 | 1975-78<br>1981<br>1982 | 1974<br>1978-78<br>1981<br>1982 |         |       |       |                 |               |          |  |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                   | 178                     |                         | 70                              | 173     |       |       |                 |               |          |  |                            |
|             | REMARK(S) - REGULATED SINCE 1916                                                                                       |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
|             |                                                                                                                        |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |
| 05DF001     | NORTH SASKATCHEWAN RIVER AT EDMONTON                                                                                   | M-MS              | 1974-80                 |                         | 1978-80                         | 1978-80 |       |       |                 |               |          |  |                            |
|             | LATITUDE 53 22 15 N<br>LONGITUDE 113 29 04 W<br>LAND DESCRIPTION NW33-52-24-W4<br>DRAINAGE AREA 28 000 km <sup>2</sup> | M-MS              | 1981-85                 |                         | 1981-85                         | 1981-85 |       |       |                 |               |          |  |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                   | 108                     |                         | 73                              | 88      |       |       |                 |               |          |  |                            |
|             | REMARK(S) - REGULATED SINCE 1980                                                                                       |                   |                         |                         |                                 |         |       |       |                 |               |          |  |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                               | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|----------------------------|
|             |                                                    |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS |                            |
| OSDC002     | NORTH SASKATCHEWAN RIVER AT SAUNDERS               | M-MS              | 1975-78    |                    |              | 1975-77     |                     |                 |                            |
|             | LATITUDE 52 27 10 N                                |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 115 45 20 W                              |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SE23-40-13-W5                     |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 5 180 km <sup>2</sup>                |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                            |                   | 24         |                    |              | 18          |                     |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1972                   |                   |            |                    |              |             |                     |                 |                            |
| OSDA008     | NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT        | D-S               | 1972       | 1972               |              | 1972        |                     |                 |                            |
|             |                                                    | D-C               | 1973-75    | 1973-75            |              | 1973-75     |                     |                 | 1974                       |
|             |                                                    | D-S               | 1976       | 1976               |              | 1976        |                     |                 | 1976                       |
|             | LATITUDE 52 00 08 N                                | M-C               | 1977-78    | 1977-78            | 1977-78      | 1977-78     |                     |                 |                            |
|             | LONGITUDE 116 28 10 W                              | M-S               | 1979-81    | 1979-81            | 1979-81      | 1979-81     |                     |                 | 1980                       |
|             | LAND DESCRIPTION SE14-35-18-W5                     | M-MS              | 1982-88    |                    | 1982-88      | 1982-88     |                     |                 |                            |
|             | DRAINAGE AREA 1 920 km <sup>2</sup>                |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                            |                   | 577        |                    | 315          | 821         |                     |                 | 5                          |
|             | REMARK(S) - NATURAL FLOW                           |                   |            |                    |              |             |                     |                 |                            |
| OSDC001     | NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE | M-MS              | 1970       |                    | 1970         | 1970        |                     |                 |                            |
|             |                                                    | M-S               | 1971       | 1971               | 1971         |             |                     |                 | 1971                       |
|             |                                                    | M-C               | 1972       | 1972               |              | 1972        |                     |                 | 1972                       |
|             |                                                    | M-S               | 1973       | 1973               |              | 1973        |                     |                 | 1973                       |
|             | LATITUDE 52 22 51 N                                |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 114 58 21 W                              |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION NE21-35-07-W5                     |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 11 000 km <sup>2</sup>               |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                            |                   | 557        |                    | 195          | 545         |                     |                 | 29                         |
|             | REMARK(S) - REGULATED SINCE 1972                   |                   |            |                    |              |             |                     |                 |                            |
| OTH0001     | NOTIKIEWIN RIVER AT MANNING                        | M-MS              | 1974-81    |                    | 1978-81      | 1974-81     |                     |                 | 1978                       |
|             |                                                    | M-MS              | 1982-88    |                    | 1982-88      | 1982-88     |                     |                 | 1982-87                    |
|             | LATITUDE 58 55 10 N                                |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 117 37 08 W                              |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SW27-91-23-W5                     |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 4 880 km <sup>2</sup>                |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                            |                   | 93         |                    | 55           | 89          |                     |                 | 3                          |
|             | REMARK(S) - NATURAL FLOW                           |                   |            |                    |              |             |                     |                 |                            |
| OSAA024     | OLDMAN RIVER NEAR BROCKET                          | M-S               | 1966       | 1966               | 1966         | 1966        |                     |                 |                            |
|             |                                                    | M-C               | 1967-73    | 1967-73            | 1967-73      | 1967-73     |                     |                 | 1967                       |
|             | LATITUDE 49 33 27 N                                | M-C               | 1974-78    | 1974-78            | 1974-78      | 1974-78     |                     |                 |                            |
|             | LONGITUDE 113 48 20 W                              | M-S               | 1979-84    | 1979-84            | 1979-84      | 1979-84     |                     |                 | 1980-81                    |
|             | LAND DESCRIPTION SE14-07-29-W4                     | M-S               | 1985-88    | 1985-88            | 1985-88      | 1985-88     |                     |                 | 1985-88                    |
|             | DRAINAGE AREA 4 400 km <sup>2</sup>                |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                            |                   | 1727       |                    | 1403         | 1852        |                     |                 | 1                          |
|             | REMARK(S) - NATURAL FLOW                           |                   |            |                    |              |             |                     |                 |                            |
| OSAD007     | OLDMAN RIVER NEAR LETHBRIDGE                       | D-S               | 1972       | 1972               | 1972         | 1972        |                     |                 |                            |
|             |                                                    | D-C               | 1973-75    | 1973-75            | 1973-75      | 1973-75     |                     |                 | 1973-75                    |
|             | LATITUDE 48 42 30 N                                | M-C               | 1976-77    | 1976-77            | 1976-77      | 1976-77     |                     |                 | 1976                       |
|             | LONGITUDE 112 52 30 W                              | M-C               | 1978       | 1978               | 1978         | 1978        |                     |                 | 1978                       |
|             | LAND DESCRIPTION NW01-08-22-W4                     | M-S               | 1979-84    | 1979-84            | 1979-84      | 1979-84     |                     |                 | 1979-83                    |
|             | DRAINAGE AREA 17 000 km <sup>2</sup>               | M-S               | 1985-88    | 1985-88            | 1985-88      | 1985-88     |                     |                 | 1985-88                    |
|             | TOTAL NUMBER OF SAMPLES                            |                   | 2583       |                    | 1881         | 1885        |                     |                 | 144                        |
|             | REMARK(S) - REGULATED SINCE 1910                   |                   |            |                    |              |             |                     |                 | 7                          |
| OSAA023     | OLDMAN RIVER NEAR WALDRON'S CORNER                 | M-MS              | 1971       |                    | 1971         |             |                     |                 |                            |
|             |                                                    | M-MS              | 1975       |                    |              | 1975        |                     |                 |                            |
|             |                                                    | M-S               | 1976       | 1976               |              | 1976        |                     |                 |                            |
|             | LATITUDE 49 48 50 N                                | M-C               | 1977-78    | 1977-78            | 1977-78      | 1977-78     |                     |                 |                            |
|             | LONGITUDE 114 11 00 W                              | M-S               | 1979-85    | 1979-85            | 1979-85      | 1979-85     |                     |                 | 1981                       |
|             | LAND DESCRIPTION NE10-10-02-W5                     | M-S               | 1986-88    | 1986-88            | 1986-88      | 1986-88     |                     |                 | 1986                       |
|             | DRAINAGE AREA 1 440 km <sup>2</sup>                |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                            |                   | 704        |                    | 351          | 847         |                     |                 | 3                          |
|             | REMARK(S) - NATURAL FLOW                           |                   |            |                    |              |             |                     |                 |                            |
| OT8B006     | PADDLE RIVER AT BARRHEAD                           | M-MS              | 1975-78    |                    |              | 1975-78     |                     |                 |                            |
|             | LATITUDE 54 05 45 N                                |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 114 23 55 W                              |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SW21-55-03-W5                     |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 2 360 km <sup>2</sup>                |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                            |                   | 12         |                    |              | 5           |                     |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1984                   |                   |            |                    |              |             |                     |                 |                            |

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| STATION NO. | NAME                                                                                                                     | TYPE OF OPERATION                       | CONC. DATA                                                  | LOADS                                                       | SUSPENDED SEDIMENT                                          |                                                             | BED LOAD            |                                                             | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------------------------------------|----------------------------|
|             |                                                                                                                          |                                         |                                                             |                                                             | DISS. SOLIDS                                                | WATER TEMP.                                                 | PARTICLE SIZE POINT | DEPTH                                                       |                            |
| 0788004     | PADDLE RIVER NEAR ROCKFORT BRIDGE                                                                                        | M-MS<br>M-MS<br>M-MS                    | 1974-81<br>1982-83<br>1985-88                               |                                                             | 1979-81<br>1982-83<br>1985-88                               | 1974-81<br>1982-83<br>1985-88                               |                     | 1978-80<br>1982-83<br>1985                                  |                            |
|             | LATITUDE 53 53 44 N<br>LONGITUDE 118 02 27 W<br>LAND DESCRIPTION SW08-57-07-W5<br>DRAINAGE AREA 825 km <sup>2</sup>      |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                  |                                         | 114                                                         |                                                             | 55                                                          | 105                                                         |                     | 8                                                           |                            |
|             | REMARK(S) - REGULATED SINCE 1984                                                                                         |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
| 07FD003     | PEACE RIVER AT DUNVEGAN BRIDGE                                                                                           | M-S<br>M-MS<br>M-MS                     | 1975<br>1978-77<br>1978-82<br>1982-88                       | 1975                                                        |                                                             | 1978<br>1978-77<br>1979-82<br>1983-88                       |                     | 1978<br>1987-88                                             |                            |
|             | LATITUDE 55 55 09 N<br>LONGITUDE 118 38 19 W<br>LAND DESCRIPTION SE07-80-04-W5<br>DRAINAGE AREA 130 000 km <sup>2</sup>  |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                  |                                         | 84                                                          |                                                             | 22                                                          | 88                                                          |                     | 8                                                           |                            |
|             | REMARK(S) - REGULATED SINCE 1987                                                                                         |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
| 07KC001     | PEACE RIVER AT PEACE POINT                                                                                               | M-S<br>M-MS<br>M-S<br>M-MS<br>M-MS      | 1987-88<br>1970<br>1971<br>1972-79<br>1980-83<br>1984-88    | 1987-88<br>1971                                             | 1987-88<br>1970<br>1971<br>1979<br>1980-83<br>1984-88       | 1987-88<br>1970<br>1971<br>1972-79<br>1980-83<br>1984-88    |                     | 1987-88<br>1970<br>1971<br>1972-73<br>1980-82<br>1984-88    | 1970<br>1973               |
|             | LATITUDE 59 05 50 N<br>LONGITUDE 112 25 35 W<br>LAND DESCRIPTION SE25-116-15-W5<br>DRAINAGE AREA 293 000 km <sup>2</sup> |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                  |                                         | 122                                                         |                                                             | 84                                                          | 122                                                         |                     | 38                                                          | 2                          |
|             | REMARK(S) - REGULATED SINCE 1988                                                                                         |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
| 07HA001     | PEACE RIVER AT PEACE RIVER                                                                                               | M-S<br>M-C<br>M-C<br>M-S<br>M-MS<br>M-S | 1988-89<br>1970-74<br>1976-77<br>1978-83<br>1984<br>1985-88 | 1988-89<br>1970-74<br>1976-77<br>1978-83<br>1984<br>1985-88 | 1988-89<br>1970-74<br>1976-77<br>1978-83<br>1984<br>1985-88 | 1988-89<br>1970-74<br>1976-77<br>1978-83<br>1984<br>1985-88 |                     | 1988-89<br>1970-74<br>1976-77<br>1979-83<br>1984<br>1985-88 | 1971<br>1975               |
|             | LATITUDE 58 14 41 N<br>LONGITUDE 117 18 48 W<br>LAND DESCRIPTION NW31-83-21-W5<br>DRAINAGE AREA 188 000 km <sup>2</sup>  |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                  |                                         | 1818                                                        |                                                             | 1030                                                        | 1704                                                        |                     | 224                                                         | 2                          |
|             | REMARK(S) - REGULATED SINCE 1987                                                                                         |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
| 05AH041     | PEIGAN CREEK NEAR PAKOWKI ROAD                                                                                           | M-MS<br>M-MS<br>M-MS<br>M-MS            | 1971<br>1978<br>1978-82<br>1985-88                          |                                                             | 1971<br>1978<br>1978-82<br>1985-88                          | 1976<br>1978-82<br>1985-88                                  |                     | 1985<br>1987                                                |                            |
|             | LATITUDE 49 34 50 N<br>LONGITUDE 110 58 30 W<br>LAND DESCRIPTION HW19-07-07-W4<br>DRAINAGE AREA 440 km <sup>2</sup>      |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                  |                                         | 58                                                          |                                                             | 39                                                          | 55                                                          |                     | 5                                                           |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                                 |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
| 05BL023     | PEKISKO CREEK NEAR LONGVIEW                                                                                              | M-MS<br>M-MS                            | 1971-72<br>1978-77                                          |                                                             | 1971                                                        | 1977                                                        |                     |                                                             |                            |
|             | LATITUDE 50 28 26 N<br>LONGITUDE 114 12 20 W<br>LAND DESCRIPTION SW34-17-02-W5<br>DRAINAGE AREA 232 km <sup>2</sup>      |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                  |                                         | 21                                                          |                                                             | 8                                                           | 2                                                           |                     |                                                             |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                                 |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | DATA CONTRIBUTED BY 017                                                                                                  |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
| 07SC002     | PEMBINA RIVER AT JARVIE                                                                                                  | M-MS<br>M-MS<br>M-MS                    | 1978-82<br>1983-87<br>1988                                  |                                                             | 1979-82<br>1983-87<br>1988                                  | 1977-82<br>1983-87<br>1988                                  |                     | 1980<br>1983-88<br>1988                                     |                            |
|             | LATITUDE 54 27 05 N<br>LONGITUDE 113 59 30 W<br>LAND DESCRIPTION NE15-83-27-W4<br>DRAINAGE AREA 13 100 km <sup>2</sup>   |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                  |                                         | 81                                                          |                                                             | 72                                                          | 82                                                          |                     | 11                                                          |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                                 |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
| 072B002     | PEMBINA RIVER NEAR ENTWISTLE                                                                                             | M-MS<br>M-MS                            | 1988<br>1974-88                                             |                                                             | 1988<br>1979-88                                             | 1974-88                                                     |                     |                                                             |                            |
|             | LATITUDE 53 38 18 N<br>LONGITUDE 118 00 14 W<br>LAND DESCRIPTION SW28-53-07-W5<br>DRAINAGE AREA 4 420 km <sup>2</sup>    |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                  |                                         | 84                                                          |                                                             | 80                                                          | 84                                                          |                     |                                                             |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                                 |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
| 05AA004     | PINCHER CREEK AT PINCHER CREEK                                                                                           | M-MS                                    | 1971-72                                                     |                                                             | 1971                                                        | 1971                                                        |                     |                                                             |                            |
|             | LATITUDE 49 28 12 N<br>LONGITUDE 113 58 48 W<br>LAND DESCRIPTION SW23-08-30-W4<br>DRAINAGE AREA 155 km <sup>2</sup>      |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                  |                                         | 31                                                          |                                                             | 17                                                          |                                                             |                     |                                                             |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                                 |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |
|             | DATA CONTRIBUTED BY 610                                                                                                  |                                         |                                                             |                                                             |                                                             |                                                             |                     |                                                             |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                    | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              | PARTICLE SIZE POINT | PARTICLE SIZE DEPTH | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|-----------------------------------------|-------------------|------------|--------------------|--------------|---------------------|---------------------|-----------------|---------------|----------------------------|
|             |                                         |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP.         |                     | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 07CA005     | PIKE CREEK NEAR GRASSLAND               | M-MS              | 1974-78    |                    |              | 1974-78             |                     |                 |               |                            |
|             |                                         | M-MS              | 1977-88    |                    | 1979-88      | 1977-88             |                     |                 |               |                            |
|             | LATITUDE 54 49 12 N                     |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LONGITUDE 112 48 34 W                   |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION SE28-87-15-W4          |                   |            |                    |              |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 1 450 km <sup>2</sup>     |                   |            |                    |              |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 89         | 49                 | 78           |                     | 2                   |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |                     |                     |                 |               |                            |
| 08BA002     | PIPESTONE RIVER NEAR LAKE LOUISE        | M-MS              | 1972       |                    |              |                     |                     |                 |               |                            |
|             |                                         | M-S               | 1973       | 1973               |              | 1973                |                     |                 |               |                            |
|             | LATITUDE 51 28 02 N                     |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LONGITUDE 118 10 20 W                   |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION SW34-28-16-W5          |                   |            |                    |              |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 308 km <sup>2</sup>       |                   |            |                    |              |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 76         |                    |              | 48                  |                     |                 |               |                            |
|             | REMARK(S) - REGULATED                   |                   |            |                    |              |                     |                     |                 |               |                            |
| 08AD037     | PIYAMI DRAIN NEAR PICTURE BUTTE         | M-MS              | 1978       |                    |              | 1978                |                     |                 |               |                            |
|             | LATITUDE 49 49 48 N                     |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LONGITUDE 112 45 43 W                   |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION SE22-10-21-W4          |                   |            |                    |              |                     |                     |                 |               |                            |
|             | DRAINAGE AREA km <sup>2</sup>           |                   |            |                    |              |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 1          |                    |              | 1                   |                     |                 |               |                            |
|             | REMARK(S) - REGULATED                   |                   |            |                    |              |                     |                     |                 |               |                            |
| 07JF003     | PONTON RIVER ABOVE BOYER RIVER          | M-MS              | 1975-83    |                    | 1979-83      | 1978-83             |                     |                 | 1981-82       |                            |
|             |                                         | M-MS              | 1984-88    |                    | 1984-88      | 1984-88             |                     |                 | 1984-88       |                            |
|             | LATITUDE 58 27 53 N                     |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LONGITUDE 118 15 23 W                   |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION NW15-109-14-W5         |                   |            |                    |              |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 2 440 km <sup>2</sup>     |                   |            |                    |              |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 92         |                    | 83           | 88                  |                     |                 | 14            |                            |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |                     |                     |                 |               |                            |
| 07DA007     | POPLAR CREEK NEAR FORT MCMURRAY         | M-MS              | 1974-78    |                    |              | 1974-78             |                     |                 |               |                            |
|             |                                         | M-C               | 1978       | 1978               |              | 1978                |                     |                 |               |                            |
|             | LATITUDE 58 54 50 N                     | M-S               | 1977-78    | 1977-78            | 1977-78      | 1977-78             |                     |                 |               |                            |
|             | LONGITUDE 111 37 38 W                   | M-MS              | 1978-88    |                    | 1978-88      | 1978-88             |                     |                 |               |                            |
|             | LAND DESCRIPTION NE24-81-10-W4          |                   |            |                    |              |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 151 km <sup>2</sup>       |                   |            |                    |              |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 138        |                    | 99           | 127                 |                     |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1978        |                   |            |                    |              |                     |                     |                 |               |                            |
| 08DB002     | PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE | M-MS              | 1971       |                    | 1971         |                     |                     |                 | 1971          |                            |
|             | LATITUDE 52 18 20 N                     |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LONGITUDE 114 55 50 W                   |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION NW15-38-07-W5          |                   |            |                    |              |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 889 km <sup>2</sup>       |                   |            |                    |              |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 11         |                    | 10           |                     |                     |                 | 2             |                            |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |                     |                     |                 |               |                            |
| 07KF014     | PRAIRIE RIVER NEAR LAKE CLAIRE          | M-MS              | 1971-72    |                    |              |                     |                     |                 |               |                            |
|             |                                         | M-MS              | 1978-81    |                    | 1978-81      | 1978-81             |                     |                 |               | 1977-78                    |
|             | LATITUDE 58 37 25 N                     |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LONGITUDE 111 40 50 W                   |                   |            |                    |              |                     |                     |                 |               |                            |
|             | DRAINAGE AREA km <sup>2</sup>           |                   |            |                    |              |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 51         |                    | 12           | 38                  |                     |                 | 2             |                            |
|             | REMARK(S) - REGULATED SINCE 1987        |                   |            |                    |              |                     |                     |                 |               |                            |
|             | - DATA CONTRIBUTED BY C10               |                   |            |                    |              |                     |                     |                 |               |                            |
| 08AA027     | RACEHORSE CREEK NEAR THE MOUTH          | M-MS              | 1971-72    |                    | 1971         |                     |                     |                 |               |                            |
|             | LATITUDE 48 50 18 N                     |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LONGITUDE 114 25 08 W                   |                   |            |                    |              |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION SE28-10-04-W5          |                   |            |                    |              |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 217 km <sup>2</sup>       |                   |            |                    |              |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 29         |                    | 15           |                     |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |                     |                     |                 |               |                            |
|             | - DATA CONTRIBUTED BY S10               |                   |            |                    |              |                     |                     |                 |               |                            |
| 08DC008     | RAM RIVER NEAR THE MOUTH                | M-MS              | 1976-78    |                    |              | 1976-77             |                     |                 |               |                            |
|             |                                         | M-MS              | 1979-81    |                    | 1979-81      | 1979-81             |                     |                 |               |                            |
|             | LATITUDE 52 21 55 N                     | M-MS              | 1982-85    |                    | 1982-85      | 1982-85             |                     |                 | 1982-83       |                            |
|             | LONGITUDE 115 25 33 W                   | M-MS              | 1988-88    |                    | 1988-88      | 1988-88             |                     |                 | 1988-88       |                            |
|             | LAND DESCRIPTION SE19-39-10-W5          |                   |            |                    |              |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 1 880 km <sup>2</sup>     |                   |            |                    |              |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 88         |                    | 88           | 77                  |                     |                 | 7             |                            |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |                     |                     |                 |               |                            |

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| STATION NO. | NAME                                     | TYPE OF OPERATION | CONC. DATA | LOADS   | SUSPENDED SEDIMENT |             | PARTICLE SIZE POINT | DEPTH | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------|-------------------|------------|---------|--------------------|-------------|---------------------|-------|-----------------|---------------|----------------------------|
|             |                                          |                   |            |         | DISS. SOLIDS       | WATER TEMP. |                     |       | VOLUME OR LOADS | PARTICLE SIZE |                            |
| OSCE010     | RAY CREEK NEAR INNISFAIL                 | M-MS              | 1971       |         | 1971               |             |                     |       |                 |               |                            |
|             | LATITUDE 52 00 03 N                      |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | LONGITUDE 113 38 55 W                    |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | LAND DESCRIPTION SW13-38-26-W4           |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 42.5 km <sup>2</sup>       |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 2          |         | 2                  |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |         |                    |             |                     |       |                 |               |                            |
| OSCE001     | RED DEER RIVER AT DRUMHELLER             | M-S               | 1978-78    | 1978-78 |                    | 1978-78     |                     |       |                 |               |                            |
|             | LATITUDE 51 38 08 N                      | M-S               | 1977-78    | 1977-78 | 1977-78            | 1977-78     |                     |       |                 |               |                            |
|             | LONGITUDE 112 42 30 W                    | M-S               | 1978-84    | 1978-84 | 1978-84            | 1978-84     |                     |       |                 |               |                            |
|             | LAND DESCRIPTION SE11-28-20-W4           | M-MS              | 1985-88    |         | 1985-88            | 1985-88     |                     |       |                 |               |                            |
|             | DRAINAGE AREA 34 800 km <sup>2</sup>     |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 977        |         | 497                | 882         |                     | 75    |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1983         |                   |            |         |                    |             |                     |       |                 |               |                            |
| OSCE002     | RED DEER RIVER AT RED DEER               | M-MS              | 1970       |         | 1970               | 1970        |                     |       |                 |               |                            |
|             | LATITUDE 52 18 35 N                      | M-S               | 1971       | 1971    | 1971               | 1971        |                     |       |                 |               |                            |
|             | LONGITUDE 113 48 57 W                    | M-S               | 1972-73    | 1972-73 | 1972-73            | 1972-73     |                     |       |                 |               |                            |
|             | LAND DESCRIPTION SE20-38-27-W4           | M-S               | 1974-75    | 1974-75 | 1974-75            | 1974-75     |                     |       |                 |               |                            |
|             | DRAINAGE AREA 11 800 km <sup>2</sup>     | M-C               | 1978-77    | 1978-77 | 1977               | 1978-77     |                     |       |                 |               |                            |
|             |                                          | M-S               | 1978-84    | 1978-84 | 1978-84            | 1978-84     |                     |       |                 |               |                            |
|             |                                          | M-MS              | 1985-88    |         | 1985-88            | 1985-88     |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 1853       |         | 839                | 1008        |                     | 34    |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1983         |                   |            |         |                    |             |                     |       |                 |               |                            |
| OSCA010     | RED DEER RIVER AT SUNDRE                 | M-MS              | 1978-77    |         |                    | 1978-77     |                     |       |                 |               |                            |
|             | LATITUDE 51 47 45 N                      |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | LONGITUDE 114 38 05 W                    |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | LAND DESCRIPTION SW03-33-05-W5           |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 3 480 km <sup>2</sup>      |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 17         |         |                    | 11          |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |         |                    |             |                     |       |                 |               |                            |
|             |                                          |                   |            |         |                    |             |                     |       |                 |               | - DATA CONTRIBUTED BY 010  |
| OSCA008     | RED DEER RIVER BELOW BURNT TIMBER CREEK  | M-MS              | 1974-78    |         |                    | 1974-77     |                     |       |                 |               |                            |
|             | LATITUDE 51 38 48 N                      | M-MS              | 1978-82    |         |                    | 1978-82     |                     |       |                 |               |                            |
|             | LONGITUDE 118 01 08 W                    | M-MS              | 1983-88    |         |                    | 1983-88     |                     |       |                 |               | 1988-87                    |
|             | LAND DESCRIPTION NE11-31-08-W5           |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 3 250 km <sup>2</sup>      |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 102        |         |                    | 59          |                     | 78    |                 | 3             |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |         |                    |             |                     |       |                 |               |                            |
| OSCK004     | RED DEER RIVER NEAR BINDLOSS             | M-S               | 1988       | 1988    | 1988               | 1988        |                     |       |                 |               |                            |
|             | LATITUDE 50 84 10 N                      | M-C               | 1987-70    | 1987-70 | 1987-70            | 1987-70     |                     |       |                 |               |                            |
|             | LONGITUDE 110 17 50 W                    | M-C               | 1971-78    | 1971-78 | 1971               | 1971-78     |                     |       |                 |               | 1987-88                    |
|             | LAND DESCRIPTION NW25-22-03-W4           | M-C               | 1977-78    | 1977-78 | 1977-78            | 1977-78     |                     |       |                 |               | 1971-75                    |
|             | DRAINAGE AREA 44 700 km <sup>2</sup>     | M-S               | 1978-84    | 1978-84 | 1978-84            | 1978-84     |                     |       |                 |               |                            |
|             |                                          | M-MS              | 1985-88    |         | 1985-88            | 1985-88     |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 2808       |         | 1181               | 2388        |                     | 295   |                 |               | 11                         |
|             | REMARK(S) - REGULATED SINCE 1988         |                   |            |         |                    |             |                     |       |                 |               |                            |
| OSCE003     | REDWATER RIVER NEAR REDWATER             | M-MS              | 1974       |         |                    | 1974        |                     |       |                 |               |                            |
|             | LATITUDE 53 58 55 N                      | M-MS              | 1978-78    |         |                    | 1978-77     |                     |       |                 |               |                            |
|             | LONGITUDE 113 03 30 W                    |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | LAND DESCRIPTION SE28-87-21-W4           |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 1 480 km <sup>2</sup>      |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 10         |         |                    | 9           |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |         |                    |             |                     |       |                 |               |                            |
| 07NA004     | REVILLON COUPE BELOW RIVIERE DES ROCHERS | M-MS              | 1971-73    |         |                    | 1971-73     |                     |       |                 |               |                            |
|             | LATITUDE 55 51 10 N                      | M-MS              | 1978-81    |         |                    | 1978-81     |                     |       |                 |               | 1973                       |
|             | LONGITUDE 111 18 10 W                    |                   |            |         |                    |             |                     |       |                 |               | 1977-80                    |
|             | DRAINAGE AREA km <sup>2</sup>            |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 88         |         | 19                 | 87          |                     | 14    |                 |               | 8                          |
|             | REMARK(S) - REGULATED SINCE 1987         |                   |            |         |                    |             |                     |       |                 |               |                            |
|             |                                          |                   |            |         |                    |             |                     |       |                 |               | - DATA CONTRIBUTED BY 010  |
| OSFD005     | RIBSTONE CREEK NEAR CIAR                 | M-MS              | 1971       |         | 1971               |             |                     |       |                 |               |                            |
|             | LATITUDE 52 28 17 N                      |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | LONGITUDE 110 44 18 W                    |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | LAND DESCRIPTION NW38-40-08-W4           |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 1 830 km <sup>2</sup>      |                   |            |         |                    |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 2          |         | 2                  |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |         |                    |             |                     |       |                 |               |                            |

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| STATION NO. | NAME                                     | TYPE OF OPERATION | CONC. DATA                | SUSPENDED SEDIMENT |              |             | SED. LOAD           |       | SED. MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------|-------------------|---------------------------|--------------------|--------------|-------------|---------------------|-------|-----------------------------|
|             |                                          |                   |                           | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH |                             |
| 07NAD02     | RIVIERE DES ROCHERS AT BEN MOULE'S CABIN | M-MS              | 1971-74                   |                    |              | 1971-73     | 1971-73             |       | 1973-74                     |
|             |                                          | M-MS              | 1975-76                   |                    |              | 1975-76     |                     |       | 1975                        |
|             |                                          | M-MS              | 1977-81                   |                    | 1978-81      | 1977-81     |                     |       | 1977-80                     |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             | LATITUDE 55 49 10 N                      |                   |                           |                    |              |             |                     |       |                             |
|             | LONGITUDE 111 16 30 W                    |                   |                           |                    |              |             |                     |       |                             |
|             | DRAINAGE AREA km <sup>2</sup>            |                   |                           |                    |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 129                       | 15                 | 100          |             | 13                  |       | 7                           |
|             | REMARK(S) - REGULATED SINCE 1967         |                   | - DATA CONTRIBUTED BY 010 |                    |              |             |                     |       |                             |
| 07EFG06     | ROCKY CREEK NEAR VALLEYVIEW              | M-S               | 1968-74                   | 1968-74            | 1968-71      | 1968-74     |                     |       |                             |
|             |                                          | M-MS              | 1975                      |                    |              | 1975        |                     |       |                             |
|             |                                          | M-MS              | 1978-80                   |                    | 1978-80      | 1978-79     |                     |       |                             |
|             |                                          | M-MS              | 1981                      |                    |              | 1981        |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             | LATITUDE 54 55 05 N                      |                   |                           |                    |              |             |                     |       |                             |
|             | LONGITUDE 117 49 38 W                    |                   |                           |                    |              |             |                     |       |                             |
|             | DRAINAGE AREA 18.6 km <sup>2</sup>       |                   |                           |                    |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 174                       | 89                 | 138          |             |                     |       |                             |
|             | REMARK(S) - NATURAL FLOW                 |                   | - DATA CONTRIBUTED BY 010 |                    |              |             |                     |       |                             |
| 08CE001     | ROSSBUD RIVER BELOW CARSTAIRS CREEK      | M-MS              | 1971                      |                    | 1971         |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             | LATITUDE 51 35 00 N                      |                   |                           |                    |              |             |                     |       |                             |
|             | LONGITUDE 113 43 35 W                    |                   |                           |                    |              |             |                     |       |                             |
|             | LAND DESCRIPTION NW22-28-27-W4           |                   |                           |                    |              |             |                     |       |                             |
|             | DRAINAGE AREA 763 km <sup>2</sup>        |                   |                           |                    |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 1                         |                    | 1            |             |                     |       |                             |
|             | REMARK(S) - NATURAL FLOW                 |                   |                           |                    |              |             |                     |       |                             |
| 08AH002     | ROSS CREEK NEAR IRVINE                   | M-MS              | 1971                      |                    | 1971         |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             | LATITUDE 49 58 27 N                      |                   |                           |                    |              |             |                     |       |                             |
|             | LONGITUDE 110 22 00 W                    |                   |                           |                    |              |             |                     |       |                             |
|             | LAND DESCRIPTION NW04-12-03-W4           |                   |                           |                    |              |             |                     |       |                             |
|             | DRAINAGE AREA 807 km <sup>2</sup>        |                   |                           |                    |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 1                         |                    | 1            |             |                     |       |                             |
|             | REMARK(S) - REGULATED                    |                   |                           |                    |              |             |                     |       |                             |
| 11AA028     | SAGE CREEK AT G RANCH NEAR WILDFLORES    | M-MS              | 1971                      |                    | 1971         |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             | LATITUDE 49 08 30 N                      |                   |                           |                    |              |             |                     |       |                             |
|             | LONGITUDE 110 13 23 W                    |                   |                           |                    |              |             |                     |       |                             |
|             | LAND DESCRIPTION NW09-03-02-W4           |                   |                           |                    |              |             |                     |       |                             |
|             | DRAINAGE AREA 458 km <sup>2</sup>        |                   |                           |                    |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 1                         |                    | 1            |             |                     |       |                             |
|             | REMARK(S) - NATURAL FLOW                 |                   |                           |                    |              |             |                     |       |                             |
| 07AH003     | SAKWATAMAU RIVER NEAR WHITECOURT         | M-MS              | 1979                      |                    | 1979         | 1979        |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             | LATITUDE 54 12 05 N                      |                   |                           |                    |              |             |                     |       |                             |
|             | LONGITUDE 115 45 40 W                    |                   |                           |                    |              |             |                     |       |                             |
|             | LAND DESCRIPTION SE19-50-12-W5           |                   |                           |                    |              |             |                     |       |                             |
|             | DRAINAGE AREA 1 140 km <sup>2</sup>      |                   |                           |                    |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 3                         |                    | 3            | 3           |                     |       |                             |
|             | REMARK(S) - NATURAL FLOW                 |                   |                           |                    |              |             |                     |       |                             |
| 08AB001     | SAND RIVER NEAR THE MOUTH                | M-MS              | 1984-85                   |                    | 1984-85      | 1984-85     |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             | LATITUDE 54 28 18 N                      |                   |                           |                    |              |             |                     |       |                             |
|             | LONGITUDE 111 11 08 W                    |                   |                           |                    |              |             |                     |       |                             |
|             | LAND DESCRIPTION SW29-03-08-W4           |                   |                           |                    |              |             |                     |       |                             |
|             | DRAINAGE AREA 4 910 km <sup>2</sup>      |                   |                           |                    |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 16                        |                    | 16           | 16          |                     |       |                             |
|             | REMARK(S) - NATURAL FLOW                 |                   |                           |                    |              |             |                     |       |                             |
| 07BK009     | SAWRIDGE CREEK NEAR SLAVE LAKE           | M-MS              | 1978                      |                    | 1978         |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             | LATITUDE 55 18 18 N                      |                   |                           |                    |              |             |                     |       |                             |
|             | LONGITUDE 114 48 28 W                    |                   |                           |                    |              |             |                     |       |                             |
|             | LAND DESCRIPTION NE25-72-08-W5           |                   |                           |                    |              |             |                     |       |                             |
|             | DRAINAGE AREA 333 km <sup>2</sup>        |                   |                           |                    |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 1                         |                    | 1            |             |                     |       |                             |
|             | REMARK(S) - NATURAL FLOW                 |                   | - DATA CONTRIBUTED BY 010 |                    |              |             |                     |       |                             |
| 08AH005     | SEVEN PERSONS CREEK AT MEDICINE HAT      | M-MS              | 1979                      |                    | 1979         | 1979        |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             |                                          |                   |                           |                    |              |             |                     |       |                             |
|             | LATITUDE 50 01 35 N                      |                   |                           |                    |              |             |                     |       |                             |
|             | LONGITUDE 110 41 02 W                    |                   |                           |                    |              |             |                     |       |                             |
|             | LAND DESCRIPTION SW20-12-08-W4           |                   |                           |                    |              |             |                     |       |                             |
|             | DRAINAGE AREA 3 370 km <sup>2</sup>      |                   |                           |                    |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 1                         |                    | 1            | 1           |                     |       |                             |
|             | REMARK(S) - REGULATED SINCE 1986         |                   |                           |                    |              |             |                     |       |                             |

P - PUMP SAMPLING  
M - MANUAL SAMPLING  
D - DUAL PUMP AND MANUAL SAMPLING

C - CONTINUOUS OPERATION  
MS - MISCELLANEOUS OPERATION  
S - SEASONAL OPERATION

V - VOLUMETRIC MEASUREMENT

SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                       | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | PARTICLE SIZE POINT | PARTICLE SIZE DEPTH | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|---------------------|-----------------|---------------|----------------------------|
|             |                                            |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. |                     |                     | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 088L014     | SHEEP RIVER AT BLACK DIAMOND               | M-MS              | 1974-88    |                    | 1978-88      | 1974-88     |                     | 1980                |                 |               |                            |
|             | LATITUDE 50 41 14 N                        |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | LONGITUDE 114 14 34 W                      |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION R206-20-02-W5             |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 595 km <sup>2</sup>          |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 108        |                    | 88           | 102         |                     | 3                   |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |                    |              |             |                     |                     |                 |               |                            |
| 088L012     | SHEEP RIVER AT DIXONS                      | M-MS              | 1978       |                    |              |             |                     |                     |                 |               |                            |
|             | LATITUDE 50 43 17 N                        |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | LONGITUDE 113 58 51 W                      |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION R229-20-29-W4             |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 1 900 km <sup>2</sup>        |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 1          |                    |              |             |                     |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                     |                 |               |                            |
| 088A002     | SIFFLEUR RIVER NEAR THE MOUTH              | M-MS              | 1975-78    |                    |              | 1978-77     |                     |                     |                 |               |                            |
|             | LATITUDE 52 02 39 N                        | M-MS              | 1978-88    |                    | 1978-88      | 1978-88     |                     |                     |                 |               |                            |
|             | LONGITUDE 118 23 02 W                      |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION R232-35-17-W5             |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 515 km <sup>2</sup>          |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 74         |                    | 47           | 58          |                     |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |                    |              |             |                     |                     |                 |               |                            |
| 075F001     | SIMONETTE RIVER NEAR GOODWIN               | M-MS              | 1974-87    |                    | 1978-87      | 1974-87     |                     | 1978-88             |                 |               |                            |
|             | LATITUDE 55 03 30 N                        | M-MS              | 1988       |                    | 1988         | 1988        |                     | 1988                |                 |               |                            |
|             | LONGITUDE 118 10 30 W                      |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION R211-71-03-W5             |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 5 050 km <sup>2</sup>        |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 101        |                    | 84           | 92          |                     | 17                  |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |                    |              |             |                     |                     |                 |               |                            |
| 07N001      | SLAVE RIVER AT FITZGERALD                  | M-S               | 1971-75    | 1971-75            | 1971         | 1971-72     |                     | 1971-74             |                 |               |                            |
|             | LATITUDE 69 52 20 N                        | M-S               | 1978-78    | 1978-78            | 1978         | 1978-78     |                     | 1978                |                 |               |                            |
|             | LONGITUDE 111 38 00 W                      | S-S               | 1978       | 1978               | 1978         | 1978        |                     | 1978                |                 |               |                            |
|             | DRAINAGE AREA 508 000 km <sup>2</sup>      | P-S               | 1980-82    | 1980-82            | 1980-82      | 1980-82     |                     | 1980-82             |                 |               |                            |
|             |                                            | D-S               | 1983-88    | 1983-88            | 1983-88      | 1983-88     |                     | 1983-88             |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 2231       |                    | 395          | 595         |                     | 1985-88             |                 |               | 82                         |
|             | REMARK(S) - REGULATED SINCE 1988           |                   |            |                    |              |             |                     |                     |                 |               |                            |
| 07C001      | SMOXY RIVER ABOVE HELLS CREEK              | M-MS              | 1987       |                    | 1987         | 1987        |                     |                     |                 |               |                            |
|             | LATITUDE 53 58 48 N                        | M-S               | 1989-71    | 1989-71            | 1989-71      | 1970-71     |                     | 1989-71             |                 |               |                            |
|             | LONGITUDE 119 09 40 W                      |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION W219-57-08-W5             |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 3 540 km <sup>2</sup>        |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 287        |                    | 247          | 194         |                     | 10                  |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |                    |              |             |                     |                     |                 |               |                            |
| 07AS002     | SNAKE INDIAN RIVER NEAR THE MOUTH          | M-MS              | 1971       |                    | 1971         |             |                     |                     |                 |               |                            |
|             | LATITUDE 53 08 28 N                        |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | LONGITUDE 118 01 53 W                      |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION R223-48-01-W5             |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 1 930 km <sup>2</sup>        |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 8          |                    | 8            |             |                     |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |                    |              |             |                     |                     |                 |               |                            |
| 08AK001     | SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 | M-S               | 1988       | 1988               | 1988         | 1988        |                     | 1988                |                 |               |                            |
|             | LATITUDE 50 44 15 N                        | M-C               | 1987-78    | 1987-78            | 1987-71      | 1987-78     |                     | 1987-71             |                 |               | 1988                       |
|             | LONGITUDE 110 08 48 W                      | M-C               | 1977-78    | 1977-78            | 1977-78      | 1977-78     |                     | 1987-78             |                 |               | 1978                       |
|             | LAND DESCRIPTION SW33-20-01-W5             | M-MS              | 1978-84    | 1978-84            | 1978-84      | 1978-84     |                     | 1980-83             |                 |               | 1988                       |
|             | DRAINAGE AREA 58 000 km <sup>2</sup>       |                   | 1985-88    | 1985-88            | 1985-88      | 1985-88     |                     | 1985-88             |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 2243       |                    | 3003         | 2155        |                     | 388                 |                 | 233           | 170                        |
|             | REMARK(S) - REGULATED                      |                   |            |                    |              |             |                     |                     |                 |               |                            |
| 08AJ001     | SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT   | M-MS              | 1974-84    |                    | 1978-84      | 1974-84     |                     | 1980-81             |                 |               |                            |
|             | LATITUDE 50 02 35 N                        | M-MS              | 1985-88    |                    | 1985-88      | 1985-88     |                     | 1985-87             |                 |               |                            |
|             | LONGITUDE 110 40 40 W                      |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION NW31-12-05-W5             |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 58 400 km <sup>2</sup>       |                   |            |                    |              |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 118        |                    | 75           | 108         |                     | 8                   |                 |               |                            |
|             | REMARK(S) - REGULATED                      |                   |            |                    |              |             |                     |                     |                 |               |                            |

P - PUMP SAMPLING

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES



| STATION NO. | NAME                                     | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|----------------------------|
|             |                                          |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS |                            |
| 088C001     | SPRAY RIVER AT BANFF                     | M-S               | 1972-74    | 1972-74            |              | 1972-74     |                     |                 |                            |
|             | LATITUDE 51 09 35 N                      | M-MS              | 1975-78    |                    |              | 1975-78     |                     |                 |                            |
|             | LONGITUDE 115 33 18 W                    | M-MS              | 1977       |                    |              | 1977        |                     |                 |                            |
|             | LAND DESCRIPTION SW25-25-12-W5           |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 749 km <sup>2</sup>        |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 250        |                    |              | 240         |                     |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1949         |                   |            |                    |              |             |                     |                 |                            |
| 075P004     | SPRING CREEK (UPPER) NEAR VALLEYVIEW     | M-S               | 1987       | 1987               | 1987         | 1987        |                     |                 |                            |
|             | LATITUDE 54 55 48 N                      | M-MS              | 1988       | 1988               | 1988         | 1988        |                     |                 |                            |
|             | LONGITUDE 117 42 20 W                    | M-S               | 1989-74    | 1989-74            | 1989-71      | 1989-74     |                     |                 |                            |
|             | LAND DESCRIPTION SW35-55-25-W5           | M-MS              | 1975       |                    | 1975-81      | 1975-81     |                     |                 |                            |
|             | DRAINAGE AREA 33.4 km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 190        |                    | 87           | 190         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |                 |                            |
|             |                                          |                   |            |                    |              |             |                     |                 |                            |
| 075P002     | SPRING CREEK NEAR VALLEYVIEW             | M-S               | 1987-70    | 1987-70            | 1987-70      | 1987-70     |                     |                 |                            |
|             | LATITUDE 54 55 05 N                      | M-S               | 1971-72    | 1971-72            | 1971         | 1971-72     |                     |                 | 1987-89                    |
|             | LONGITUDE 117 50 55 W                    | M-S               | 1973-75    | 1973-75            |              | 1973-75     |                     |                 | 1971                       |
|             | DRAINAGE AREA 112 km <sup>2</sup>        | M-MS              | 1978-81    |                    | 1978-81      | 1978-81     |                     |                 | 1973-74                    |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 227        |                    | 138          | 258         |                     |                 | 22                         |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |                 |                            |
|             |                                          |                   |            |                    |              |             |                     |                 |                            |
| 08AEO27     | ST. MARY RIVER AT INTERNATIONAL BOUNDARY | M-MS              | 1977-78    |                    |              | 1977        |                     |                 |                            |
|             | LATITUDE 49 00 12 N                      |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 113 18 45 W                    |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SW05-01-25-W4           |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 1 210 km <sup>2</sup>      |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 7          |                    |              | 2           |                     |                 |                            |
|             | REMARK(S) - REGULATED                    |                   |            |                    |              |             |                     |                 |                            |
|             |                                          |                   |            |                    |              |             |                     |                 |                            |
| 07DA005     | STEEPSHANK RIVER NEAR FORT MCMURRAY      | M-MS              | 1978-88    |                    | 1979-88      | 1975-88     |                     |                 | 1987                       |
|             | LATITUDE 57 00 14 N                      |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 111 24 53 W                    |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SW29-92-09-W4           |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 1 320 km <sup>2</sup>      |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 78         |                    | 40           | 73          |                     |                 | 1                          |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |                 |                            |
| 05BL007     | STIMSON CREEK NEAR PEKISKO               | M-MS              | 1971-72    |                    | 1971         |             |                     |                 | 1971                       |
|             | LATITUDE 50 25 50 N                      | M-MS              | 1978-77    |                    |              | 1977        |                     |                 |                            |
|             | LONGITUDE 114 09 55 W                    |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SE14-17-02-W5           |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 282 km <sup>2</sup>        |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 25         |                    | 8            | 2           |                     |                 | 2                          |
|             | REMARK(S) - REGULATED SINCE 1985         |                   |            |                    |              |             |                     |                 |                            |
|             |                                          |                   |            |                    |              |             |                     |                 |                            |
| 05DP004     | STRAWBERRY CREEK NEAR THE MOUTH          | M-MS              | 1971       |                    | 1971         |             |                     |                 |                            |
|             | LATITUDE 53 18 41 N                      |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 114 03 02 W                    |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SE15-50-01-W5           |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 584 km <sup>2</sup>        |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 7          |                    | 7            |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |                 |                            |
| 05AB030     | STREETER CREEK (MAIN STEM) NEAR NANTON   | M-S               | 1988       | 1988               | 1988         | 1988        |                     |                 |                            |
|             | LATITUDE 50 07 24 N                      | M-C               | 1987-88    | 1987-88            | 1987-88      | 1987-88     |                     |                 | 1987                       |
|             | LONGITUDE 114 03 20 W                    | M-C               | 1989       | 1989               | 1989         | 1989        |                     |                 | 1989                       |
|             | LAND DESCRIPTION SW34-13-01-W5           |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 5.98 km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 95         |                    | 95           | 90          |                     |                 | 3                          |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |                 |                            |
| 07BJ001     | SWAN RIVER NEAR KINUSO                   | M-S               | 1989-70    | 1989-70            | 1989-70      | 1989-70     |                     |                 | 1989-70                    |
|             | LATITUDE 55 18 00 N                      | M-C               | 1971-74    | 1971-74            | 1971         | 1971-74     |                     |                 | 1971-74                    |
|             | LONGITUDE 115 24 30 W                    | M-S               | 1975       | 1975               |              | 1975        |                     |                 | 1975                       |
|             | LAND DESCRIPTION SW13-73-10-W5           | M-MS              | 1975-78    |                    | 1975-88      | 1975-78     |                     |                 |                            |
|             | DRAINAGE AREA 1 800 km <sup>2</sup>      | M-S               | 1979-88    | 1979-88            | 1979-88      | 1979-88     |                     |                 | 1979-88                    |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 1730       |                    | 735          | 1888        |                     |                 | 188                        |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |                 | 3                          |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES



| STATION NO. | NAME                                                                                                                                                                                                     | TYPE OF OPERATION                | CONC. DATA                                       | SUSPENDED SEDIMENT                               |                                                             | WATER TEMP.                        | PARTICLE SIZE |       | SED LOAD                                             |               | SED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------|------------------------------------|---------------|-------|------------------------------------------------------|---------------|----------------------------|
|             |                                                                                                                                                                                                          |                                  |                                                  | LOADS                                            | DISS. SOLIDS                                                |                                    | POINT         | DEPTH | VOLUME OR LOADS                                      | PARTICLE SIZE |                            |
| OSCE007     | THREEHILLS CREEK NEAR CARSON                                                                                                                                                                             | M-MS                             | 1971                                             |                                                  | 1971                                                        |                                    |               |       |                                                      |               |                            |
|             | LATITUDE 51 33 53 N<br>LONGITUDE 113 04 18 W<br>LAND DESCRIPTION SW17-30-22-W4<br>DRAINAGE AREA 1 070 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 1<br>REMARK(S) - REGULATED SINCE 1971                   |                                  |                                                  |                                                  |                                                             |                                    |               |       |                                                      |               |                            |
| OSBL013     | THREEPOINT CREEK NEAR MILLARVILLE                                                                                                                                                                        | M-MS<br>M-MS<br>M-MS             | 1989<br>1971-73<br>1978-77                       |                                                  | 1989<br>1971<br>1977                                        |                                    |               |       | 1988                                                 |               |                            |
|             | LATITUDE 50 48 14 N<br>LONGITUDE 114 18 38 W<br>LAND DESCRIPTION NW07-21-02-W5<br>DRAINAGE AREA 507 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 32<br>REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY G17  |                                  |                                                  |                                                  |                                                             |                                    |               |       |                                                      |               |                            |
| OSAB039     | TOUCH CREEK NEAR BEAZER                                                                                                                                                                                  | M-MS                             | 1980-81                                          |                                                  | 1980-81                                                     |                                    |               |       |                                                      |               |                            |
|             | LATITUDE 49 04 00 N<br>LONGITUDE 113 32 00 W<br>LAND DESCRIPTION SW34-01-27-W4<br>DRAINAGE AREA 38.8 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 15<br>REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY G10 |                                  |                                                  |                                                  |                                                             |                                    |               |       |                                                      |               |                            |
| OSAB005     | TROUT CREEK NEAR GRANUM                                                                                                                                                                                  | M-MS                             | 1971                                             |                                                  | 1971                                                        |                                    |               |       |                                                      |               |                            |
|             | LATITUDE 49 58 35 N<br>LONGITUDE 113 41 07 W<br>LAND DESCRIPTION SW07-12-27-W4<br>DRAINAGE AREA 440 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 2<br>REMARK(S) - NATURAL FLOW                             |                                  |                                                  |                                                  |                                                             |                                    |               |       |                                                      |               |                            |
| OSBP018     | TWIN CREEK NEAR SEESE                                                                                                                                                                                    | M-C<br>M-S<br>M-C<br>M-S<br>M-MS | 1989-74<br>1975-78<br>1977-78<br>1978-83<br>1988 | 1989-74<br>1975-78<br>1977-78<br>1978-83<br>1988 | 1989-71<br>1989-74<br>1975-78<br>1977-78<br>1978-83<br>1988 |                                    |               |       | 1989-74V<br>1975-78V<br>1977-78V<br>1978-83V<br>1988 |               |                            |
|             | LATITUDE 50 57 33 N<br>LONGITUDE 115 10 19 W<br>LAND DESCRIPTION NS18-23-09-W5<br>DRAINAGE AREA 2.84 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 807<br>REMARK(S) - NATURAL FLOW                          |                                  |                                                  |                                                  |                                                             |                                    |               |       |                                                      |               |                            |
| OSBE002     | VERMILION RIVER AT VEGREVILLE                                                                                                                                                                            | M-MS                             | 1987                                             |                                                  | 1987                                                        | 1987                               |               |       |                                                      |               |                            |
|             | LATITUDE 53 29 28 N<br>LONGITUDE 112 02 18 W<br>LAND DESCRIPTION NW17-52-14-W4<br>DRAINAGE AREA 1 830 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 1<br>REMARK(S) - NATURAL FLOW                           |                                  |                                                  |                                                  |                                                             |                                    |               |       |                                                      |               |                            |
| OSBE004     | VERMILION RIVER NEAR HAZELDINE                                                                                                                                                                           | M-MS                             | 1978-79                                          |                                                  | 1978                                                        | 1978-79                            |               |       |                                                      |               |                            |
|             | LATITUDE 53 37 37 N<br>LONGITUDE 110 28 30 W<br>LAND DESCRIPTION NW22-53-03-W4<br>DRAINAGE AREA 7 830 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 20<br>REMARK(S) - REGULATED                             |                                  |                                                  |                                                  |                                                             |                                    |               |       |                                                      |               |                            |
| OSBE007     | VERMILION RIVER NEAR MARWAYNE                                                                                                                                                                            | M-MS<br>M-MS                     | 1978-87<br>1988                                  |                                                  | 1978-87<br>1988                                             | 1978-87                            |               |       |                                                      |               |                            |
|             | LATITUDE 53 29 28 N<br>LONGITUDE 110 23 51 W<br>LAND DESCRIPTION NW18-52-03-W4<br>DRAINAGE AREA 7 270 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 80<br>REMARK(S) - NATURAL FLOW                          |                                  |                                                  |                                                  |                                                             |                                    |               |       |                                                      |               |                            |
| OSBE003     | VERMILION RIVER NEAR VEGREVILLE                                                                                                                                                                          | M-MS<br>M-MS<br>M-MS<br>M-MS     | 1974-78<br>1978<br>1978-82<br>1983-88            |                                                  | 1974<br>1978<br>1978-82<br>1983-88                          | 1974<br>1978<br>1978-82<br>1983-88 |               |       |                                                      |               |                            |
|             | LATITUDE 53 27 54 N<br>LONGITUDE 112 03 52 W<br>LAND DESCRIPTION NW08-52-14-W4<br>DRAINAGE AREA 1 890 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 30<br>REMARK(S) - NATURAL FLOW                          |                                  |                                                  |                                                  |                                                             |                                    |               |       |                                                      |               |                            |

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| STATION NO. | NAME                                               | TYPE OF OPERATION | CONC. DATA | LOADS   | SUSPENDED SEDIMENT |             | PARTICLE SIZE POINT DEPTH | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------------------|-------------------|------------|---------|--------------------|-------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                                    |                   |            |         | DISS. SOLIDS       | WATER TEMP. |                           | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 0986008     | WAIKAROUS CREEK NEAR THE MOUTH                     | M-MS              | 1971       |         | 1971               |             |                           |                 |               |                            |
|             | LATITUDE 51 18 38 N                                |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 114 30 15 W                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION NW05-27-08-W5                     |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 334 km <sup>2</sup>                  |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES 8                          |                   |            |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                           |                   |            |         |                    |             |                           |                 |               |                            |
| 07AF003     | WAMPUS CREEK NEAR HINTON                           | M-S               | 1967-73    | 1967-73 | 1967-71            | 1967-73     |                           |                 |               |                            |
|             | LATITUDE 53 09 33 N                                |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 117 15 40 W                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION NW23-48-23-W5                     |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 25.4 km <sup>2</sup>                 |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES 1982                       |                   |            |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                           |                   |            |         |                    |             |                           |                 |               |                            |
| 08EC003     | WASKATEAU CREEK NEAR WASKATEAU                     | M-MS              | 1974-78    |         |                    | 1974-78     |                           |                 |               |                            |
|             | LATITUDE 54 07 33 N                                |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 112 48 58 W                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION SE28-55-19-W4                     |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 312 km <sup>2</sup>                  |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES 55                         |                   |            |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                           |                   |            |         |                    |             |                           |                 |               |                            |
| 08AD029     | WATERTON RIVER NEAR GLENWOOD                       | M-MS              | 1974-88    |         | 1979-88            | 1974-88     |                           |                 |               |                            |
|             | LATITUDE 49 24 35 N                                |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 113 28 10 W                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION SW08-08-28-W4                     |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 1 830 km <sup>2</sup>                |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES 122                        |                   |            |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1988                   |                   |            |         |                    |             |                           |                 |               |                            |
| 08BM014     | WEST ARROWWOOD CREEK NEAR ARROWWOOD                | M-MS              | 1978-77    |         | 1977               |             |                           |                 |               |                            |
|             | LATITUDE 50 45 50 N                                |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 113 14 00 W                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION SW11-21-24-W4                     |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 775 km <sup>2</sup>                  |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES 3                          |                   |            |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY 017 |                   |            |         |                    |             |                           |                 |               |                            |
| 07BF002     | WEST PRAIRIE RIVER NEAR HIGH PRAIRIE               | M-MS              | 1974-78    |         |                    | 1974-78     |                           |                 |               |                            |
|             | LATITUDE 55 26 50 N                                |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 116 29 30 W                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION SE28-74-17-W5                     |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 1 150 km <sup>2</sup>                |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES 132                        |                   |            |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                           |                   |            |         |                    |             |                           |                 |               |                            |
| 08AB022     | WEST STREETER CREEK NEAR HANTON                    | M-S               | 1988       | 1988    | 1988               | 1988        |                           |                 |               | 1988 V                     |
|             | LATITUDE 50 08 28 N                                |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 114 03 58 W                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION SW27-13-01-W5                     |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 1.37 km <sup>2</sup>                 |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES 9                          |                   |            |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                           |                   |            |         |                    |             |                           |                 |               |                            |
| 07AR009     | WHIRLPOOL RIVER NEAR THE MOUTH                     | M-MS              | 1971-72    |         | 1971               |             |                           |                 |               |                            |
|             | LATITUDE 52 43 28 N                                |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 117 58 28 W                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 598 km <sup>2</sup>                  |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES 33                         |                   |            |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY 810 |                   |            |         |                    |             |                           |                 |               |                            |
| 07AD004     | WHISKEYJACK CREEK NEAR HINTON                      | M-S               | 1986-87    | 1986-87 | 1986-87            | 1986        |                           |                 |               |                            |
|             | LATITUDE 53 32 50 N                                |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 117 32 18 W                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LAND DESCRIPTION NW05-51-24-W5                     |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 3.13 km <sup>2</sup>                 |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES 809                        |                   |            |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                           |                   |            |         |                    |             |                           |                 |               |                            |

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| STATION NO. | NAME                                | TYPE OF OPERATION | CONC. DATA | LOADS   | SUSPENDED SEDIMENT |             |                     | SED LOAD        |               | SED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------|-------------------|------------|---------|--------------------|-------------|---------------------|-----------------|---------------|----------------------------|
|             |                                     |                   |            |         | DISS. SOLIDS       | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 07AC001     | WILDHAY RIVER NEAR HINTON           | M-MS              | 1972       |         |                    |             |                     |                 |               |                            |
|             | LATITUDE 53 31 24 N                 |                   |            |         |                    |             |                     |                 |               |                            |
|             | LONGITUDE 117 55 48 W               |                   |            |         |                    |             |                     |                 |               |                            |
|             | LAND DESCRIPTION NW28-52-27-W5      |                   |            |         |                    |             |                     |                 |               |                            |
|             | DRAINAGE AREA 989 km <sup>2</sup>   |                   |            |         |                    |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 14         |         | 1                  |             |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |         |                    |             |                     |                 |               |                            |
|             |                                     |                   |            |         |                    |             |                     |                 |               |                            |
| 05AB028     | WILLOW CREEK ABOVE CHAIN LAKES      | M-S               | 1985-88    | 1985-88 | 1985-88            | 1985-88     |                     |                 |               |                            |
|             | LATITUDE 50 11 47 N                 | M-C               | 1987-88    | 1987-88 | 1987-88            | 1987-88     |                     |                 |               | 1988                       |
|             | LONGITUDE 114 12 48 W               | M-C               | 1989-72    | 1989-72 | 1989-71            | 1989-72     |                     |                 |               | 1987                       |
|             | LAND DESCRIPTION SE28-18-02-W5      | M-C               | 1973-74    | 1973-74 |                    | 1973-74     |                     |                 |               |                            |
|             | DRAINAGE AREA 182 km <sup>2</sup>   | M-MS              | 1975-77    | 1975-77 | 1977               | 1975-77     |                     |                 |               |                            |
|             |                                     | M-MS              | 1978       |         |                    | 1978        |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 1280       |         | 828                | 1192        |                     | 32              |               | 3                          |
|             | REMARK(S) - NATURAL FLOW            |                   |            |         |                    |             |                     |                 |               |                            |
| 05AB021     | WILLOW CREEK NEAR CLAREHOLM         | M-S               | 1984       | 1984    | 1984               |             |                     |                 |               |                            |
|             | LATITUDE 50 01 05 N                 | M-C               | 1985-71    | 1985-71 | 1985-71            | 1985-71     |                     |                 |               |                            |
|             | LONGITUDE 113 42 50 W               | M-C               | 1972-74    | 1972-74 |                    | 1972-74     |                     |                 |               |                            |
|             | LAND DESCRIPTION NE23-12-28-W4      | M-MS              | 1975-88    |         | 1979-88            | 1975-88     |                     |                 |               | 1973                       |
|             | DRAINAGE AREA 1 180 km <sup>2</sup> |                   |            |         |                    |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 1121       |         | 888                | 1061        |                     | 109             |               | 1                          |
|             | REMARK(S) - REGULATED SINCE 1988    |                   |            |         |                    |             |                     |                 |               |                            |
| 07SP003     | WOLVERINE CREEK NEAR VALLEYVIEW     | M-S               | 1987-88    | 1987-88 | 1987-88            | 1987-88     |                     |                 |               |                            |
|             | LATITUDE 54 55 17 N                 | M-S               | 1989-70    | 1989-70 | 1989-70            | 1989-70     |                     |                 |               | 1987                       |
|             | LONGITUDE 117 45 32 W               | M-S               | 1971-73    | 1971-73 | 1971               | 1971-73     |                     |                 |               | 1989                       |
|             | DRAINAGE AREA 11.1 km <sup>2</sup>  | M-S               | 1974       | 1974    |                    | 1974        |                     |                 |               | 1971                       |
|             |                                     | M-MS              | 1975       |         |                    | 1975        |                     |                 |               | 1974                       |
|             | TOTAL NUMBER OF SAMPLES             |                   | 148        |         | 71                 | 111         |                     | 7               |               |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |         |                    |             |                     |                 |               |                            |
|             |                                     |                   |            |         |                    |             |                     |                 |               |                            |

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| STATION NO. | NAME                                                                                 | TYPE OF OPERATION | CONC. DATA                 | SUSPENDED SEDIMENT         |                         |                            | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------------------------------------------------|-------------------|----------------------------|----------------------------|-------------------------|----------------------------|---------------------|-----------------|----------------------------|
|             |                                                                                      |                   |                            | LOADS                      | DISS. SOLIDS            | WATER TEMP.                | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE              |
| 08NJ130     | ANDERSON CREEK NEAR NELSON                                                           | M-C<br>M-MS       | 1963-65<br>1966-66         | 1963-65<br>1966-66         | 1963-65<br>1966-66      | 1963-65<br>1966-66         |                     |                 |                            |
|             | LATITUDE 49 30 05 N<br>LONGITUDE 117 15 35 W<br>DRAINAGE AREA 9.07 km <sup>2</sup>   |                   |                            |                            |                         |                            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 433                        |                            | 124                     | 404                        |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   | - DATA CONTRIBUTED BY OGS  |                            |                         |                            |                     |                 |                            |
| 08NH084     | ARROW CREEK NEAR ERICKSON                                                            | M-C               | 1979-85                    | 1979-85                    | 1982-85                 | 1979-85                    |                     |                 |                            |
|             | LATITUDE 49 08 32 N<br>LONGITUDE 116 27 04 W<br>DRAINAGE AREA 78.7 km <sup>2</sup>   |                   |                            |                            |                         |                            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 433                        |                            | 132                     | 411                        |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                            |                            |                         |                            |                     |                 |                            |
| 07PC001     | BEATTYON RIVER NEAR FORT ST. JOHN                                                    | M-MS              | 1988                       |                            | 1988                    | 1988                       | 1988                |                 |                            |
|             | LATITUDE 55 18 12 N<br>LONGITUDE 120 40 43 W<br>DRAINAGE AREA 15 600 km <sup>2</sup> |                   |                            |                            |                         |                            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 10                         |                            | 10                      | 10                         | 10                  |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                            |                            |                         |                            |                     |                 |                            |
| 08PB007     | BELLA COOLA RIVER ABOVE BURMT BRIDGE CREEK                                           | M-MS              | 1988                       |                            | 1988                    | 1988                       | 1988                |                 |                            |
|             | LATITUDE 52 25 20 N<br>LONGITUDE 126 08 29 W<br>DRAINAGE AREA 3 730 km <sup>2</sup>  |                   |                            |                            |                         |                            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 25                         |                            | 25                      | 20                         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                            |                            |                         |                            |                     |                 |                            |
| 08DA008     | BOWSER RIVER AT BERENDON GLACIER                                                     | M-MS<br>M-S       | 1987<br>1988               |                            | 1987<br>1988            | 1987                       |                     | 1988            |                            |
|             | LATITUDE 55 15 20 N<br>LONGITUDE 130 03 55 W<br>DRAINAGE AREA km <sup>2</sup>        |                   |                            |                            |                         |                            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 28                         |                            | 28                      | 8                          | 8                   |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                            |                            |                         |                            |                     |                 |                            |
| 08BE004     | BULKLEY RIVER AT QUICK                                                               | M-MS              | 1988                       |                            | 1988                    | 1988                       | 1988                |                 |                            |
|             | LATITUDE 54 37 05 N<br>LONGITUDE 126 53 55 W<br>DRAINAGE AREA 7 350 km <sup>2</sup>  |                   |                            |                            |                         |                            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 20                         |                            | 20                      | 20                         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                            |                            |                         |                            |                     |                 |                            |
| 08NB048     | CARNATION CREEK AT THE MOUTH                                                         | D-S<br>D-C<br>D-C | 1973<br>1974-81<br>1982-85 | 1973<br>1974-81<br>1982-85 | 1973<br>1974<br>1982-85 | 1973<br>1974-81<br>1982-85 |                     |                 |                            |
|             | LATITUDE 48 54 55 N<br>LONGITUDE 124 58 52 W<br>DRAINAGE AREA 10.1 km <sup>2</sup>   |                   |                            |                            |                         |                            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 3697                       |                            | 507                     | 4738                       |                     | 159             | 4                          |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                            |                            |                         |                            |                     |                 |                            |
| 08NB008     | CHILCOTIN RIVER BELOW BIG CREEK                                                      | M-MS              | 1988                       |                            | 1988                    | 1988                       | 1988                |                 |                            |
|             | LATITUDE 51 50 55 N<br>LONGITUDE 122 38 12 W<br>DRAINAGE AREA 19 300 km <sup>2</sup> |                   |                            |                            |                         |                            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 18                         |                            | 18                      | 18                         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                            |                            |                         |                            |                     |                 |                            |
| 08MA002     | CHILKO RIVER AT OUTLET OF CHILKO LAKE                                                | M-MS              | 1982-84                    |                            | 1982-84                 | 1982-84                    |                     |                 |                            |
|             | LATITUDE 51 37 31 N<br>LONGITUDE 124 08 31 W<br>DRAINAGE AREA 2 110 km <sup>2</sup>  |                   |                            |                            |                         |                            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 32                         |                            | 28                      | 32                         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                            |                            |                         |                            |                     |                 |                            |

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| STATION NO. | NAME                                                                                 | TYPE OF OPERATION                      | CONC. DATA                                         | LOADS                                              | SUSPENDED SEDIMENT                                 |                                                    | BED LOAD                           |                 | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|------------------------------------|-----------------|----------------------------|
|             |                                                                                      |                                        |                                                    |                                                    | DISS. SOLIDS                                       | WATER TEMP.                                        | PARTICLE SIZE POINT DEPTH          | VOLUME OR LOADS | PARTICLE SIZE              |
| 08MA001     | CHILKO RIVER NEAR REDSTONE                                                           | M-MS                                   | 1983-84                                            |                                                    | 1983-84                                            | 1983-84                                            |                                    |                 |                            |
|             | LATITUDE 52 04 12 N<br>LONGITUDE 123 32 12 W<br>DRAINAGE AREA 8 840 km <sup>2</sup>  |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                                        | 21                                                 |                                                    | 19                                                 | 21                                                 |                                    |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
| 08MH001     | CHILLIWACK RIVER AT VEDDER CROSSING                                                  | M-S<br>M-C<br>M-MS                     | 1985<br>1985-71<br>1972-75<br>1979                 |                                                    | 1985<br>1985-71<br>1972-75<br>1979                 | 1985<br>1985-71<br>1972-75<br>1979                 |                                    |                 |                            |
|             | LATITUDE 49 05 50 N<br>LONGITUDE 121 57 45 W<br>DRAINAGE AREA 1 230 km <sup>2</sup>  |                                        |                                                    |                                                    |                                                    |                                                    | 1985<br>1972-73                    |                 | 1971                       |
|             | TOTAL NUMBER OF SAMPLES                                                              |                                        | 289                                                |                                                    | 283                                                | 193                                                | 4                                  |                 | 4                          |
|             | REMARK(S) - NATURAL FLOW                                                             |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
| 08LA001     | CLEARWATER RIVER NEAR CLEARWATER STATION                                             | M-S                                    | 1972                                               | 1972                                               | 1972                                               | 1972                                               |                                    |                 |                            |
|             | LATITUDE 51 38 20 N<br>LONGITUDE 120 03 55 W<br>DRAINAGE AREA 10 300 km <sup>2</sup> |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                                        | 7                                                  |                                                    | 7                                                  | 7                                                  |                                    |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
| 08ND011     | COLUMBIA RIVER ABOVE STEAMBOAT RAPIDS                                                | M-S<br>M-C<br>M-S<br>M-C<br>M-S<br>M-C | 1987<br>1988<br>1989-71<br>1972<br>1973<br>1974-75 | 1987<br>1988<br>1989-71<br>1972<br>1973<br>1974-75 | 1987<br>1988<br>1989-71<br>1972<br>1973<br>1974-75 | 1987<br>1988<br>1989-71<br>1972<br>1973<br>1974-75 |                                    |                 |                            |
|             | LATITUDE 51 02 31 N<br>LONGITUDE 118 12 47 W<br>DRAINAGE AREA 28 400 km <sup>2</sup> |                                        |                                                    |                                                    |                                                    |                                                    | 1989-71<br>1972<br>1973<br>1974-75 |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                                        | 1987                                               |                                                    | 901                                                | 1808                                               | 98                                 |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1973                                                     |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
| 08NE049     | COLUMBIA RIVER AT BIRCHBANK                                                          | M-S<br>M-C<br>M-MS                     | 1985<br>1988-81<br>1982                            | 1985<br>1988-81<br>1982                            | 1985<br>1988-70<br>1982                            | 1985<br>1988-81<br>1982                            |                                    |                 |                            |
|             | LATITUDE 49 10 40 N<br>LONGITUDE 117 42 59 W<br>DRAINAGE AREA 88 100 km <sup>2</sup> |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                                        | 2058                                               |                                                    | 582                                                | 2014                                               |                                    |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1931 - INTERNATIONAL GAUGING STATION                     |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
| 08NB005     | COLUMBIA RIVER AT DONALD                                                             | M-MS                                   | 1982-83                                            |                                                    | 1982-83                                            | 1982-83                                            | 1983                               |                 |                            |
|             | LATITUDE 51 28 00 N<br>LONGITUDE 117 10 45 W<br>DRAINAGE AREA 9 710 km <sup>2</sup>  |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                                        | 5                                                  |                                                    | 5                                                  | 5                                                  | 1                                  |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
| 08NA002     | COLUMBIA RIVER AT NICHOLSON                                                          | M-MS                                   | 1982-83                                            |                                                    | 1982-83                                            | 1982-83                                            |                                    |                 |                            |
|             | LATITUDE 51 14 28 N<br>LONGITUDE 118 54 42 W<br>DRAINAGE AREA 5 850 km <sup>2</sup>  |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                                        | 5                                                  |                                                    | 5                                                  | 5                                                  |                                    |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
| 08MH002     | COQUITLAM RIVER AT PORT COQUITLAM                                                    | M-MS                                   | 1988                                               |                                                    | 1988                                               | 1988                                               | 1988                               |                 |                            |
|             | LATITUDE 49 15 58 N<br>LONGITUDE 122 45 51 W<br>DRAINAGE AREA 237 km <sup>2</sup>    |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                                        | 5                                                  |                                                    | 5                                                  | 5                                                  |                                    |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1902                                                     |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
| 07PB004     | DICKERUSCH CREEK NEAR THE MOUTH                                                      | M-MS<br>M-S                            | 1978-80<br>1981-83                                 |                                                    | 1978<br>1981-83                                    | 1978-80<br>1981-83                                 |                                    |                 | 1981-83                    |
|             | LATITUDE 55 32 07 N<br>LONGITUDE 121 35 40 W<br>DRAINAGE AREA 85.8 km <sup>2</sup>   |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                                        | 75                                                 |                                                    | 38                                                 | 89                                                 | 13                                 |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                                        |                                                    |                                                    |                                                    |                                                    |                                    |                 |                            |

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| STATION NO. | NAME                                                                                | TYPE OF OPERATION | CONC. DATA         | SUSPENDED SEDIMENT |                    |                    | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------------------------------------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|----------------------------|
|             |                                                                                     |                   |                    | LOADS              | DISS. SOLIDS       | WATER TEMP.        | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE              |
| OSNH018     | BUCK CREEK NEAR WYNDEL                                                              | M-S<br>M-C        | 1979<br>1980-85    | 1978<br>1980-85    | 1982-85            | 1979<br>1980-85    |                     |                 |                            |
|             | LATITUDE 49 12 10 N<br>LONGITUDE 118 31 55 W<br>DRAINAGE AREA 57.0 km <sup>2</sup>  |                   |                    |                    |                    |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                   | 844                | 149                | 120                |                    |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                   |                    |                    |                    |                    |                     |                 |                            |
| OSGA071     | ELAND RIVER NEAR THE MOUTH                                                          | M-MS              | 1984               |                    | 1984               | 1984               |                     |                 |                            |
|             | LATITUDE 50 07 10 N<br>LONGITUDE 123 28 10 W<br>DRAINAGE AREA 1 250 km <sup>2</sup> |                   |                    |                    |                    |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                   | 25                 | 20                 | 25                 |                    |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                   |                    |                    |                    |                    |                     |                 |                            |
| OSHK002     | ELK RIVER AT FERNIE                                                                 | M-C<br>M-C        | 1970-72<br>1973-77 | 1970-72<br>1973-77 | 1970-72<br>1973-77 | 1970-71<br>1973-77 |                     |                 |                            |
|             | LATITUDE 49 30 35 N<br>LONGITUDE 116 04 17 W<br>DRAINAGE AREA 3 110 km <sup>2</sup> |                   |                    |                    |                    |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                   | 501                | 183                | 128                |                    |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                   |                    |                    |                    |                    |                     |                 |                            |
| OSHK018     | ELK RIVER NEAR NATAL                                                                | M-C               | 1970-77            | 1970-77            | 1970-71            | 1970-77            |                     |                 |                            |
|             | LATITUDE 49 51 55 N<br>LONGITUDE 114 52 05 W<br>DRAINAGE AREA 1 870 km <sup>2</sup> |                   |                    |                    |                    |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                   | 457                | 105                | 254                |                    |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                   |                    |                    |                    |                    |                     |                 |                            |
| OSHS002     | ENGLISHMAN RIVER NEAR PARKSVILLE                                                    | M-MS              | 1988               |                    | 1988               | 1988               |                     | 1988            |                            |
|             | LATITUDE 49 18 00 N<br>LONGITUDE 124 18 58 W<br>DRAINAGE AREA 224 km <sup>2</sup>   |                   |                    |                    |                    |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                   | 11                 | 11                 | 11                 |                    |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                   |                    |                    |                    |                    |                     |                 |                            |
| OSNJ129     | FELL CREEK NEAR NELSON                                                              | M-MS              | 1982-88            |                    | 1982-88            | 1982-88            |                     |                 |                            |
|             | LATITUDE 49 30 12 N<br>LONGITUDE 117 15 37 W<br>DRAINAGE AREA 4.40 km <sup>2</sup>  |                   |                    |                    |                    |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                   | 410                | 87                 | 373                |                    |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                   |                    |                    |                    |                    |                     |                 |                            |
|             |                                                                                     |                   |                    |                    |                    |                    |                     |                 |                            |
| OSNJ188     | FIVE MILE CREEK ABOVE CITY INTAKE                                                   | M-S<br>M-C        | 1983<br>1984-88    | 1983<br>1984-88    | 1983<br>1984-88    | 1983<br>1984-88    |                     |                 |                            |
|             | LATITUDE 49 31 08 N<br>LONGITUDE 117 12 44 W<br>DRAINAGE AREA 47.5 km <sup>2</sup>  |                   |                    |                    |                    |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                   | 535                | 280                | 727                |                    |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                   |                    |                    |                    |                    |                     |                 |                            |
| OSNP001     | FLATHEAD RIVER AT FLATHEAD                                                          | M-S<br>M-C        | 1984<br>1985-88    | 1984<br>1985-88    | 1984<br>1985-88    | 1984<br>1985-88    |                     |                 |                            |
|             | LATITUDE 49 00 02 N<br>LONGITUDE 114 28 35 W<br>DRAINAGE AREA 1 110 km <sup>2</sup> |                   |                    |                    |                    |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                   | 789                | 288                | 785                |                    |                     | 30              |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                   |                    |                    |                    |                    |                     |                 |                            |
|             |                                                                                     |                   |                    |                    |                    |                    |                     |                 |                            |
| OSNK028     | FORDING RIVER ABOVE CLODE CREEK                                                     | M-S               | 1975               | 1975               |                    | 1975               |                     |                 |                            |
|             | LATITUDE 50 12 04 N<br>LONGITUDE 114 52 57 W<br>DRAINAGE AREA 98.3 km <sup>2</sup>  |                   |                    |                    |                    |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                   | 48                 |                    |                    | 48                 |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                   |                    |                    |                    |                    |                     |                 |                            |

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| STATION NO. | NAME                                      | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             |                     | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|---------------|----------------------------|
|             |                                           |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 08NK018     | FORDING RIVER AT THE MOUTH                | M-C               | 1970-77    | 1970-77            | 1970-72      | 1970-77     |                     |                 |               |                            |
|             | LATITUDE 48 53 39 N                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 114 51 53 W                     |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 819 km <sup>2</sup>         |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 482        |                    | 183          | 270         |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                  |                   |            |                    |              |             |                     |                 |               |                            |
| 08NK021     | FORDING RIVER BELOW CLODE CREEK           | M-MS              | 1971       |                    | 1971         |             |                     |                 |               |                            |
|             | LATITUDE 50 12 05 N                       | M-S               | 1972       | 1972               | 1972         | 1972        |                     |                 |               |                            |
|             | LONGITUDE 114 52 57 W                     | M-C               | 1973-74    | 1973-74            | 1973         | 1973-74     |                     |                 |               |                            |
|             | DRAINAGE AREA 104 km <sup>2</sup>         | M-C               | 1978-77    | 1978-77            |              | 1978-77     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 270        |                    | 85           | 185         |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                  |                   |            |                    |              |             |                     |                 |               |                            |
| 08CC005     | FORREST KERR CREEK ABOVE 480 M CONTOUR    | M-S               | 1982       | 1982               | 1982         | 1982        |                     |                 |               |                            |
|             | LATITUDE 58 54 55 N                       | M-MS              | 1982-84    |                    | 1982-84      | 1982-84     |                     |                 |               |                            |
|             | LONGITUDE 120 43 15 W                     |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 311 km <sup>2</sup>         |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 211        |                    | 143          | 210         |                     |                 | 88            |                            |
|             | REMARK(S) - NATURAL FLOW                  |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                           |                   |            |                    |              |             |                     |                 |               | DATA CONTRIBUTED BY 075    |
| 10CC002     | FORT NELSON RIVER ABOVE MUSKWA RIVER      | M-S               | 1979-80    | 1979-80            |              |             |                     |                 |               |                            |
|             | LATITUDE 58 40 15 N                       | M-S               | 1982-84    | 1982-84            | 1982-84      | 1982-84     |                     |                 | 1982-84       |                            |
|             | LONGITUDE 122 38 15 W                     |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 22 800 km <sup>2</sup>      |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 225        |                    | 99           | 83          |                     |                 | 80            |                            |
|             | REMARK(S) - NATURAL FLOW                  |                   |            |                    |              |             |                     |                 |               |                            |
| 08KA004     | FRASER RIVER AT HANBARD                   | M-S               | 1972-74    | 1972-74            | 1972         | 1972-74     | 1972-74             | 1972-74         |               | 1973-74                    |
|             | LATITUDE 54 04 43 N                       | M-C               | 1978-78    | 1978-78            |              | 1978        |                     |                 |               | 1978                       |
|             | LONGITUDE 121 50 52 W                     | M-C               | 1978-80    | 1978-80            |              | 1978-78     | 1978-78             | 1978-78         |               | 1978-77                    |
|             | DRAINAGE AREA 18 000 km <sup>2</sup>      | M-S               | 1981-82    | 1981-82            | 1982         | 1978-80     | 1978                | 1978-80         |               | 1979                       |
|             |                                           | M-S               | 1983-88    | 1983-88            | 1983-88      | 1982        | 1981-82             | 1981            |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 1851       |                    | 380          | 842         | 884                 | 211             |               | 109                        |
|             | REMARK(S) - NATURAL FLOW                  |                   |            |                    |              |             |                     |                 |               |                            |
| 08MF005     | FRASER RIVER AT HOPE                      | M-S               | 1985       | 1985               | 1985         | 1985        | 1985                | 1985            |               |                            |
|             | LATITUDE 48 22 50 N                       | M-C               | 1985-89    | 1985-89            | 1985-89      | 1985-89     | 1987-88             | 1985-89         |               |                            |
|             | LONGITUDE 121 27 05 W                     | M-C               | 1970-78    | 1970-78            | 1970         | 1970-78     | 1970-78             | 1970-78         |               |                            |
|             | DRAINAGE AREA 217 000 km <sup>2</sup>     |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 2751       |                    | 1234         | 2480        | 890                 | 345             |               |                            |
|             | REMARK(S) - REGULATED SINCE 1952          |                   |            |                    |              |             |                     |                 |               |                            |
| 08MH024     | FRASER RIVER AT MISSION                   | M-S               | 1985       | 1985               | 1985         | 1985        | 1985                | 1985            |               | 1985                       |
|             | LATITUDE 48 07 39 N                       | M-C               | 1985-89    | 1985-89            | 1985-89      | 1985-89     | 1985-89             | 1985-89         |               | 1985-89                    |
|             | LONGITUDE 122 18 05 W                     | M-C               | 1970-80    | 1970-80            | 1970-74      | 1970-80     | 1972-79             | 1970-80         |               | 1970-80                    |
|             | DRAINAGE AREA 228 000 km <sup>2</sup>     | M-C               | 1981-84    | 1981-84            | 1982-84      | 1981-84     | 1981-84             | 1981-84         |               | 1973-80                    |
|             |                                           | M-C               | 1985-88    | 1985-88            | 1985-88      | 1985-88     | 1985-87             | 1985-88         |               | 1981-84                    |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 4170       |                    | 2344         | 3782        | 873                 | 780             |               | 1985-87                    |
|             | REMARK(S) - REGULATED SINCE 1952          |                   |            |                    |              |             |                     |                 | 842           | 171                        |
| 08MH128     | FRASER RIVER AT PORT MAWR PUMPING STATION | M-S               | 1985       | 1985               | 1985         | 1985        | 1985                | 1985            |               | 1985                       |
|             | LATITUDE 48 13 04 N                       | M-C               | 1985-89    | 1985-89            | 1985-89      | 1985-89     | 1987-88             | 1985-89         |               | 1985-89                    |
|             | LONGITUDE 122 48 37 W                     | M-C               | 1970-72    | 1970-72            | 1970-72      | 1970-72     | 1970-72             | 1970-72         |               | 1970-72                    |
|             | DRAINAGE AREA 232 000 km <sup>2</sup>     | D-C               | 1975-77    |                    | 1973-74      | 1973-74     | 1973-74             | 1973-74         |               | 1973-74                    |
|             |                                           | M-MS              | 1978       |                    | 1978-77      | 1978-77     | 1978-77             | 1978-77         |               | 1975-77                    |
|             |                                           | D-MS              | 1984-85    |                    | 1984-85      | 1984-85     | 1984-85             | 1984-85         |               | 1978                       |
|             |                                           | M-MS              | 1987       |                    | 1987         | 1987        | 1987                | 1987            |               | 1978                       |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 3084       |                    | 1808         | 1028        | 487                 | 387             |               | 478                        |
|             | REMARK(S) - REGULATED SINCE 1952          |                   |            |                    |              |             |                     |                 | 198           |                            |
| 08MF025     | FRASER RIVER NEAR AGASSIZ                 | M-S               | 1985       | 1985               | 1985         | 1985        | 1985                | 1985            |               |                            |
|             | LATITUDE 49 12 18 N                       | M-C               | 1987-88    | 1987-88            | 1987-88      | 1987-88     | 1988                | 1987-88         |               |                            |
|             | LONGITUDE 121 48 36 W                     | M-C               | 1970-72    | 1970-72            |              | 1970-72     | 1970-72             | 1970-72         |               |                            |
|             | DRAINAGE AREA 218 000 km <sup>2</sup>     | M-C               | 1973-78    | 1973-78            |              | 1973-78     | 1973-78             | 1973-78         |               | 1970                       |
|             |                                           | M-MS              | 1980-88    | 1980-88            | 1982-88      | 1980-88     | 1981-88             | 1980-88         |               | 1973-78                    |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 3488       |                    | 1127         | 3148        | 878                 | 881             |               | 1985                       |
|             | REMARK(S) - REGULATED SINCE 1952          |                   |            |                    |              |             |                     |                 | 341           | 87                         |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                             | TYPE OF OPERATION | CONC. DATA           | SUSPENDED SEDIMENT |              |             |                     | BED LOAD |                 | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------------|-------------------|----------------------|--------------------|--------------|-------------|---------------------|----------|-----------------|----------------------------|
|             |                                                  |                   |                      | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH    | VOLUME OR LOADS | PARTICLE SIZE              |
| 08NCO18     | FRASER RIVER NEAR MARGUERITE                     | M-S               | 1971-73              | 1971-73            | 1971-73      | 1972        | 1971-73             | 1971-73  |                 | 1973                       |
|             | LATITUDE 52 31 48 N                              | M-C               | 1974-82              | 1974-82            | 1982         | 1974-82     | 1974-78             | 1974-82  |                 | 1974-79                    |
|             | LONGITUDE 122 28 32 W                            |                   | 1983-88              | 1983-88            | 1983-88      | 1983-88     | 1983-84             | 1983-88  |                 |                            |
|             | DRAINAGE AREA 114 000 km <sup>2</sup>            |                   |                      |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 2273                 |                    | 730          | 1088        | 428                 | 384      |                 | 114                        |
|             | REMARK(S) -                                      |                   | REGULATED SINCE 1952 |                    |              |             |                     |          |                 |                            |
| 08PA009     | GENESSEE CREEK AT THE MOUTH                      | M-MS              | 1987                 |                    | 1987         |             |                     |          |                 |                            |
|             | LATITUDE 51 38 30 N                              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 128 40 48 W                            |                   |                      |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 17.4 km <sup>2</sup>               |                   |                      |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 8                    |                    | 88           |             |                     |          |                 |                            |
|             | REMARK(S) -                                      |                   | NATURAL FLOW         |                    |              |             |                     |          |                 |                            |
| 08NKO19     | GRAVE CREEK AT THE MOUTH                         | M-C               | 1970-77              | 1970-77            | 1970-73      | 1970-77     |                     |          |                 |                            |
|             | LATITUDE 49 50 38 N                              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 114 51 38 W                            |                   |                      |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 83.8 km <sup>2</sup>               |                   |                      |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 483                  |                    | 171          | 288         |                     |          |                 |                            |
|             | REMARK(S) -                                      |                   | NATURAL FLOW         |                    |              |             |                     |          |                 |                            |
| 07PA001     | HALFWAY RIVER NEAR FARRELL CREEK (LOWER STATION) | M-MS              | 1982-83              |                    | 1982-83      | 1982-83     |                     |          |                 |                            |
|             | LATITUDE 55 13 40 N                              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 121 28 50 W                            |                   |                      |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 8 400 km <sup>2</sup>              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 8                    |                    | 7            | 7           |                     |          |                 | 3                          |
|             | REMARK(S) -                                      |                   | NATURAL FLOW         |                    |              |             |                     |          |                 |                            |
| 08NGO13     | HARRISON RIVER NEAR HARRISON HOT SPRINGS         | M-S               | 1965                 | 1965               | 1965         | 1965        |                     |          |                 |                            |
|             |                                                  | M-C               | 1966-70              | 1966-70            | 1966-70      | 1966-70     |                     |          |                 |                            |
|             |                                                  | M-MS              | 1971                 |                    | 1971         | 1971        |                     |          |                 |                            |
|             | LATITUDE 49 18 40 N                              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 121 48 08 W                            |                   |                      |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 7 870 km <sup>2</sup>              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 138                  |                    | 138          | 108         |                     |          |                 |                            |
|             | REMARK(S) -                                      |                   | NATURAL FLOW         |                    |              |             |                     |          |                 |                            |
| 08GDO04     | HOMATHKO RIVER AT THE MOUTH                      | M-MS              | 1982                 |                    | 1982         | 1982        |                     |          |                 | 1982                       |
|             | LATITUDE 50 59 05 N                              | M-S               | 1983                 | 1983               | 1983         | 1983        |                     |          |                 | 1983                       |
|             | LONGITUDE 124 55 01 W                            | M-MS              | 1984                 |                    | 1984         | 1984        |                     |          |                 | 1984                       |
|             | DRAINAGE AREA 5 720 km <sup>2</sup>              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 41                   |                    | 41           | 35          |                     |          |                 | 24                         |
|             | REMARK(S) -                                      |                   | NATURAL FLOW         |                    |              |             |                     |          |                 |                            |
| 08GDO08     | HOMATHKO RIVER AT TRAGEDY CANYON                 | M-MS              | 1982                 |                    | 1982         | 1982        |                     |          |                 |                            |
|             | LATITUDE 51 15 55 N                              | M-S               | 1983                 | 1983               | 1983         | 1983        |                     |          |                 | 1983                       |
|             | LONGITUDE 124 53 13 W                            | M-MS              | 1984                 |                    | 1984         | 1984        |                     |          |                 | 1984                       |
|             | DRAINAGE AREA 4 070 km <sup>2</sup>              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 41                   |                    | 23           | 27          |                     |          |                 | 28                         |
|             | REMARK(S) -                                      |                   | NATURAL FLOW         |                    |              |             |                     |          |                 |                            |
| 08GDO09     | HOMATHKO RIVER BELOW HOSSETUKO RIVER             | M-MS              | 1983-84              |                    | 1983-84      | 1983-84     |                     |          |                 | 1983-84                    |
|             | LATITUDE 51 25 18 N                              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 124 30 28 W                            |                   |                      |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 1 560 km <sup>2</sup>              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 25                   |                    | 20           | 25          |                     |          |                 | 7                          |
|             | REMARK(S) -                                      |                   | NATURAL FLOW         |                    |              |             |                     |          |                 |                            |
| 08GDO05     | HOMATHKO RIVER BELOW NUDE CREEK                  | M-MS              | 1982                 |                    | 1982         | 1982        |                     |          |                 |                            |
|             | LATITUDE 51 22 28 N                              | M-S               | 1983                 | 1983               | 1983         | 1983        |                     |          |                 | 1983                       |
|             | LONGITUDE 124 48 43 W                            | M-MS              | 1984                 |                    | 1984         | 1984        |                     |          |                 | 1984                       |
|             | DRAINAGE AREA 1 980 km <sup>2</sup>              |                   |                      |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 35                   |                    | 18           | 23          |                     |          |                 | 18                         |
|             | REMARK(S) -                                      |                   | NATURAL FLOW         |                    |              |             |                     |          |                 |                            |

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| STATION NO. | NAME                                                                                                                   | TYPE OF OPERATION               | CONC. DATA                                                    | SUSPENDED SEDIMENT                                            |                                                            |                                                    | BED LOAD            |                                                    | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|---------------------|----------------------------------------------------|----------------------------|
|             |                                                                                                                        |                                 |                                                               | LOADS                                                         | DISS. SOLIDS                                               | WATER TEMP.                                        | PARTICLE SIZE POINT | DEPTH                                              |                            |
| 10AB001     | HYLAND RIVER NEAR LOWER POST                                                                                           | M-MS                            | 1972                                                          |                                                               | 1972                                                       | 1972                                               |                     |                                                    |                            |
|             | LATITUDE 59 57 03 N<br>LONGITUDE 129 09 03 W<br>DRAINAGE AREA 9 480 km <sup>2</sup>                                    |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                 | 2                                                             |                                                               | 2                                                          | 2                                                  |                     | 1                                                  |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
| 08CG004     | ISKUT RIVER ABOVE SHIPPAKER CREEK                                                                                      | M-S<br>M-MS                     | 1982<br>1982-84                                               | 1982                                                          | 1982<br>1982-84                                            | 1982<br>1982-84                                    |                     | 1982<br>1982-84                                    |                            |
|             | LATITUDE 58 41 55 N<br>LONGITUDE 130 52 23 W<br>DRAINAGE AREA 7 230 km <sup>2</sup>                                    |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                 | 210                                                           |                                                               | 82                                                         | 204                                                |                     | 55                                                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
| 08CG001     | ISKUT RIVER BELOW JOHNSON RIVER                                                                                        | M-S<br>M-MS                     | 1982<br>1982-84                                               | 1982                                                          | 1982<br>1982-84                                            | 1982<br>1982-84                                    |                     | 1982<br>1982-84                                    |                            |
|             | LATITUDE 58 44 20 N<br>LONGITUDE 131 40 25 W<br>DRAINAGE AREA 9 380 km <sup>2</sup>                                    |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                 | 127                                                           |                                                               | 70                                                         | 125                                                |                     | 45                                                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
| 08NH125     | JOHN CREEK NEAR MEADOW CREEK                                                                                           | M-S<br>M-C<br>M-S               | 1987<br>1988-72<br>1973                                       | 1987<br>1988-72<br>1973                                       | 1987<br>1988-70<br>1988-89                                 | 1987<br>1988-89                                    |                     | 1987<br>1988-71                                    |                            |
|             | LATITUDE 50 18 32 N<br>LONGITUDE 119 59 57 W<br>DRAINAGE AREA 34.7 km <sup>2</sup>                                     |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                 | 884                                                           |                                                               | 433                                                        | 180                                                |                     | 17                                                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
| 10BB001     | KECHIKA RIVER AT THE MOUTH                                                                                             | M-MS<br>M-MS                    | 1972<br>1982-84                                               |                                                               | 1972<br>1982-84                                            | 1982-84                                            |                     | 1982                                               |                            |
|             | LATITUDE 59 38 55 N<br>LONGITUDE 127 18 37 W<br>DRAINAGE AREA 22 700 km <sup>2</sup>                                   |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                 | 12                                                            |                                                               | 12                                                         | 10                                                 |                     | 2                                                  |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
| 08PF001     | KITIMAT RIVER BELOW HIRSCH CREEK                                                                                       | M-MS                            | 1988                                                          |                                                               | 1988                                                       | 1988                                               |                     | 1988                                               |                            |
|             | LATITUDE 54 03 34 N<br>LONGITUDE 128 40 28 W<br>DRAINAGE AREA 1 980 km <sup>2</sup>                                    |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                 | 20                                                            |                                                               | 20                                                         | 20                                                 |                     |                                                    |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
| 08CC001     | KLAPPAN RIVER NEAR TELEGRAPH CREEK                                                                                     | M-MS                            | 1982-84                                                       |                                                               | 1982-84                                                    | 1982-84                                            |                     | 1982-84                                            |                            |
|             | LATITUDE 57 54 00 N<br>LONGITUDE 128 42 14 W<br>DRAINAGE AREA 3 550 km <sup>2</sup>                                    |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                 | 17                                                            |                                                               | 17                                                         | 11                                                 |                     | 8                                                  |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
| 08NH031     | KOOTENAI RIVER NEAR COPELAND                                                                                           | M-S<br>M-C<br>M-S<br>M-C<br>M-S | 1988<br>1987-73<br>1976-75<br>1976<br>1977<br>1978-80<br>1981 | 1988<br>1987-73<br>1976-75<br>1976<br>1977<br>1978-80<br>1981 | 1988<br>1987-69<br>1976-75<br>1976<br>1978<br>1978<br>1978 | 1987-69<br>1976-75<br>1976<br>1978<br>1978<br>1978 |                     | 1987-69<br>1976-75<br>1976<br>1978<br>1978<br>1978 |                            |
|             | LATITUDE 48 54 18 N<br>LONGITUDE 118 24 07 W<br>LAND DESCRIPTION NW12-61N-01-W<br>DRAINAGE AREA 34 700 km <sup>2</sup> |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                 |                                                               |                                                               |                                                            | 20                                                 |                     | 48                                                 |                            |
|             | REMARK(S) - REGULATED                                                                                                  |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
|             |                                                                                                                        |                                 | DATA CONTRIBUTED BY SOO                                       |                                                               |                                                            | INTERNATIONAL GAUGING STATION                      |                     |                                                    |                            |
| 08NF002     | KOOTENAY RIVER AT CANAL FLATS                                                                                          | M-MS                            | 1982-83                                                       |                                                               | 1982-83                                                    | 1982-83                                            |                     |                                                    |                            |
|             | LATITUDE 50 03 52 N<br>LONGITUDE 118 47 57 W<br>DRAINAGE AREA 8 390 km <sup>2</sup>                                    |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                 | 11                                                            |                                                               | 11                                                         | 10                                                 |                     |                                                    |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                 |                                                               |                                                               |                                                            |                                                    |                     |                                                    |                            |

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|-------------|-----------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|-----------------------------|
|             |                                         |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS |                             |
| 08NG055     | KOOTENAY RIVER AT FORT STEELE           | M-MS              | 1988       |                    | 1988         | 1988        | 1988                |                 |                             |
|             | LATITUDE 49 38 43 N                     |                   |            |                    |              |             |                     |                 |                             |
|             | LONGITUDE 115 38 04 W                   |                   |            |                    |              |             |                     |                 |                             |
|             | DRAINAGE AREA 11 400 km <sup>2</sup>    |                   |            |                    |              |             |                     |                 |                             |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 15         |                    | 15           | 15          |                     |                 |                             |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |             |                     |                 |                             |
| 08NH129     | KOOTENAY RIVER AT NICKS ISLAND          | M-S               | 1970       |                    | 1970         | 1970        |                     |                 |                             |
|             | LATITUDE 49 07 02 N                     | M-C               | 1971-78    |                    | 1971-73      | 1971-72     |                     |                 |                             |
|             | LONGITUDE 115 34 38 W                   | M-C               | 1978-77    |                    |              | 1978-77     |                     |                 |                             |
|             | DRAINAGE AREA km <sup>2</sup>           | M-S               | 1978-83    |                    | 1982         | 1978-83     |                     |                 |                             |
|             |                                         | M-MS              | 1984-85    |                    | 1984         | 1984        |                     |                 |                             |
|             |                                         | M-MS              | 1987       |                    | 1987         | 1987        |                     |                 | 1987                        |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 3455       |                    | 780          | 2107        |                     |                 | 1                           |
|             | REMARK(S) - REGULATED SINCE 1972        |                   |            |                    |              |             |                     |                 |                             |
| 10BE005     | LIARD RIVER ABOVE BEAVER RIVER          | M-MS              | 1982-84    |                    | 1982-84      | 1982-84     |                     |                 | 1983                        |
|             | LATITUDE 59 44 33 N                     |                   |            |                    |              |             |                     |                 |                             |
|             | LONGITUDE 124 28 35 W                   |                   |            |                    |              |             |                     |                 |                             |
|             | DRAINAGE AREA 119 000 km <sup>2</sup>   |                   |            |                    |              |             |                     |                 |                             |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 12         |                    | 12           | 11          |                     |                 | 1                           |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |             |                     |                 |                             |
|             |                                         |                   |            |                    |              |             |                     |                 | - DATA CONTRIBUTED BY 075   |
| 10BE008     | LIARD RIVER ABOVE KECHIKA RIVER         | M-MS              | 1982-83    |                    | 1982         | 1983        |                     |                 |                             |
|             | LATITUDE 59 42 04 N                     | M-MS              | 1984       |                    | 1984         | 1984        |                     |                 | 1984                        |
|             | LONGITUDE 127 13 39 W                   |                   |            |                    |              |             |                     |                 |                             |
|             | DRAINAGE AREA 81 800 km <sup>2</sup>    |                   |            |                    |              |             |                     |                 |                             |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 13         |                    | 11           | 12          |                     |                 | 8                           |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |             |                     |                 |                             |
| 10BE001     | LIARD RIVER AT LOWER CROSSING           | M-MS              | 1972       |                    | 1972         | 1972        |                     |                 |                             |
|             | LATITUDE 59 24 45 N                     | M-MS              | 1983-84    |                    | 1983-84      | 1983-84     |                     |                 | 1984                        |
|             | LONGITUDE 128 08 50 W                   |                   |            |                    |              |             |                     |                 |                             |
|             | DRAINAGE AREA 104 000 km <sup>2</sup>   |                   |            |                    |              |             |                     |                 |                             |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 22         |                    | 22           | 22          |                     |                 | 8                           |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |             |                     |                 |                             |
| 08NK022     | LINE CREEK AT THE MOUTH                 | M-S               | 1971-72    | 1971-72            | 1971-72      | 1972        |                     |                 |                             |
|             | LATITUDE 49 53 28 N                     | M-C               | 1973-77    | 1973-77            | 1973         | 1973-77     |                     |                 |                             |
|             | LONGITUDE 114 50 00 W                   |                   |            |                    |              |             |                     |                 |                             |
|             | DRAINAGE AREA 135 km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |                             |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 404        |                    | 112          | 259         |                     |                 |                             |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |             |                     |                 |                             |
| 08NH124     | MEADOW CREEK ABOVE JOHN CREEK           | M-S               | 1967       | 1967               | 1967         | 1967        |                     |                 | 1967                        |
|             | LATITUDE 50 15 02 N                     | M-C               | 1968-70    | 1968-70            | 1968-70      | 1968-69     |                     |                 | 1969                        |
|             | LONGITUDE 116 59 51 W                   | M-C               | 1971-72    | 1971-72            |              |             |                     |                 | 1971                        |
|             | DRAINAGE AREA 82.7 km <sup>2</sup>      | M-S               | 1973       | 1973               |              |             |                     |                 |                             |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 845        |                    | 435          | 175         |                     |                 | 8                           |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |             |                     |                 |                             |
| 08NH128     | MEADOW CREEK DIVERSION BELOW JOHN CREEK | M-S               | 1968       | 1968               | 1968         | 1968        |                     |                 |                             |
|             | LATITUDE 50 15 15 N                     | M-C               | 1969-72    | 1969-72            | 1969-70      | 1969        |                     |                 | 1969-71                     |
|             | LONGITUDE 116 59 51 W                   | M-S               | 1973       | 1973               |              |             |                     |                 |                             |
|             | DRAINAGE AREA km <sup>2</sup>           |                   |            |                    |              |             |                     |                 |                             |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 571        |                    | 342          | 78          |                     |                 | 5                           |
|             | REMARK(S) - REGULATED                   |                   |            |                    |              |             |                     |                 |                             |
| 08NK023     | MICHEL CREEK AT MICHEL                  | M-C               | 1970       |                    | 1970         | 1970        |                     |                 |                             |
|             | LATITUDE 49 41 55 N                     | M-S               | 1971-72    |                    | 1971-72      | 1971-72     |                     |                 |                             |
|             | LONGITUDE 114 48 24 W                   | M-C               | 1973-74    |                    | 1973         | 1973-74     |                     |                 |                             |
|             | DRAINAGE AREA km <sup>2</sup>           | M-S               | 1975       |                    |              | 1975        |                     |                 |                             |
|             |                                         | M-C               | 1975-77    |                    |              | 1975-77     |                     |                 |                             |
|             | TOTAL NUMBER OF SAMPLES                 |                   | 435        |                    | 168          | 237         |                     |                 |                             |
|             | REMARK(S) - NATURAL FLOW                |                   |            |                    |              |             |                     |                 |                             |

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| STATION NO. | NAME                                 | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD            |                 | SEE MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|----------------------------|
|             |                                      |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE              |
| 08KK020     | MICHEL CREEK BELOW NATAL             | M-C               | 1970-74    | 1970-74            | 1970-74      | 1970-74     |                     |                 |                            |
|             | LATITUDE 49 43 48 N                  | M-C               | 1976       | 1976               | 1976         | 1976        |                     |                 |                            |
|             | LONGITUDE 114 51 24 W                |                   | 1976-77    | 1976-77            | 1976-77      |             |                     |                 |                            |
|             | DRAINAGE AREA 837 km <sup>2</sup>    |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES              |                   | 493        |                    | 170          | 227         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |                 |                            |
| 08CG005     | MORE CREEK NEAR THE MOUTH            | M-S               | 1982       | 1982               | 1982         | 1982        |                     |                 |                            |
|             | LATITUDE 57 02 27 N                  | M-MS              | 1983-84    |                    | 1983-84      | 1983-84     |                     |                 |                            |
|             | LONGITUDE 130 24 08 W                |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 844 km <sup>2</sup>    |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES              |                   | 208        |                    | 79           | 207         |                     |                 | 28                         |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |                 |                            |
| 08CD007     | MOSLEY CREEK NEAR DUMPELL LAKE       | M-MS              | 1982       |                    | 1982         | 1982        |                     |                 |                            |
|             | LATITUDE 51 24 31 N                  | M-S               | 1983       | 1983               | 1983         | 1983        |                     |                 |                            |
|             | LONGITUDE 124 55 54 W                | M-MS              | 1984       |                    | 1984         | 1984        |                     |                 |                            |
|             | DRAINAGE AREA 1 550 km <sup>2</sup>  |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES              |                   | 35         |                    | 34           | 34          |                     |                 | 6                          |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |                 |                            |
| 07FB008     | MURRAY RIVER ABOVE WOLVERINE RIVER   | M-S               | 1978-81    | 1978-81            |              | 1978-81     |                     |                 |                            |
|             | LATITUDE 55 03 55 N                  | M-S               | 1982-85    | 1982-85            | 1982-85      | 1982-85     |                     |                 |                            |
|             | LONGITUDE 121 01 00 W                | M-MS              | 1986-88    |                    | 1986-88      | 1986-88     |                     |                 |                            |
|             | DRAINAGE AREA 2 410 km <sup>2</sup>  |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES              |                   | 238        |                    | 120          | 218         |                     |                 | 4                          |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |                 |                            |
| 07FB002     | MURRAY RIVER NEAR THE MOUTH          | M-S               | 1978-78    | 1978-78            |              | 1978-78     |                     |                 |                            |
|             | LATITUDE 55 34 15 N                  | M-MS              | 1980       |                    | 1980         | 1980        |                     |                 |                            |
|             | LONGITUDE 121 11 18 W                | M-S               | 1981-83    | 1981-83            | 1982-83      | 1981-83     |                     |                 |                            |
|             | DRAINAGE AREA 8 920 km <sup>2</sup>  |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES              |                   | 118        |                    | 38           | 105         |                     |                 | 24                         |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |                 |                            |
| 10CD001     | MUSKWA RIVER NEAR FORT NELSON        | M-S               | 1978-80    | 1978-80            |              |             |                     |                 |                            |
|             | LATITUDE 58 47 18 N                  | M-MS              | 1982-85    | 1982-84            | 1982-84      | 1982-84     |                     |                 |                            |
|             | LONGITUDE 122 39 33 W                |                   | 1985       |                    | 1985         | 1985        |                     |                 |                            |
|             | DRAINAGE AREA 20 300 km <sup>2</sup> |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES              |                   | 223        |                    | 80           | 80          |                     |                 | 38                         |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |                 |                            |
| 08MH055     | NORRISH CREEK NEAR DEWDNEY           | M-MS              | 1988       |                    | 1988         | 1988        |                     |                 |                            |
|             | LATITUDE 49 11 28 N                  |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 122 08 28 W                |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 117 km <sup>2</sup>    |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES              |                   | 30         |                    | 20           | 30          |                     |                 |                            |
|             | REMARK(S) - REGULATED                |                   |            |                    |              |             |                     |                 |                            |
| 08LS004     | NORTH THOMPSON RIVER AT MCLURE       | M-MS              | 1988       |                    | 1988         | 1988        |                     |                 |                            |
|             | LATITUDE 51 02 38 N                  |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 120 14 28 W                |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 19 800 km <sup>2</sup> |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES              |                   | 5          |                    | 5            | 5           |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |                 |                            |
| 08MH035     | PITT RIVER NEAR PORT COQUITLAM       | M-S               | 1965       |                    | 1965         | 1965        |                     |                 |                            |
|             | LATITUDE 49 14 40 N                  | M-C               | 1966-71    |                    | 1966-69      | 1966-71     |                     |                 |                            |
|             | LONGITUDE 122 44 00 W                | M-MS              | 1972-74    |                    |              | 1972-74     |                     |                 |                            |
|             | DRAINAGE AREA 1 840 km <sup>2</sup>  |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES              |                   | 886        |                    | 330          | 841         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |                 |                            |
| 08MG019     | PLACE CREEK NEAR BIRKEN              | M-MS              | 1988       |                    | 1988         |             |                     |                 |                            |
|             | LATITUDE 50 28 10 N                  |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 122 38 39 W                |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 7.28 km <sup>2</sup>   |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES              |                   | 55         |                    | 55           |             |                     |                 | 2                          |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |                 |                            |

P - PUMP SAMPLING  
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V - VOLUMETRIC MEASUREMENT

SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                 | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             |                     | SED. LOAD |                 | SED. MATERIAL |               |
|-------------|--------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------|-----------------|---------------|---------------|
|             |                                      |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH     | VOLUME OR LOADS | PARTICLE SIZE | PARTICLE SIZE |
| 07P8005     | QUALITY CREEK NEAR THE MOUTH         | M-MS              | 1979-80    |                    |              |             |                     |           |                 |               |               |
|             | LATITUDE 55 08 45 N                  | M-S               | 1981-83    |                    |              |             |                     |           |                 |               |               |
|             | LONGITUDE 120 55 24 W                |                   |            |                    |              |             |                     |           |                 |               |               |
|             | DRAINAGE AREA 29.6 km <sup>2</sup>   |                   |            |                    |              |             |                     |           |                 |               |               |
|             | TOTAL NUMBER OF SAMPLES              |                   | 74         |                    | 31           | 82          |                     |           |                 |               |               |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |           |                 |               |               |
| 08N8010     | SAN JUAN RIVER NEAR PORT RENFREW     | M-MS              | 1988       |                    | 1988         | 1988        |                     |           |                 |               |               |
|             | LATITUDE 48 34 30 N                  |                   |            |                    |              |             |                     |           |                 |               |               |
|             | LONGITUDE 124 17 49 W                |                   |            |                    |              |             |                     |           |                 |               |               |
|             | DRAINAGE AREA 880 km <sup>2</sup>    |                   |            |                    |              |             |                     |           |                 |               |               |
|             | TOTAL NUMBER OF SAMPLES              |                   | 5          |                    | 2            | 1           |                     |           |                 |               |               |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |           |                 |               |               |
| 08S8055     | SERTINEL CREEK ABOVE SARIGALDI LAKE  | M-S               | 1987-73    | 1987-73            | 1987-73      | 1987-73     |                     | 1987-73   |                 |               | 1987          |
|             | LATITUDE 49 54 10 N                  | M-S               | 1974-78    | 1974-78            |              | 1974-78     |                     | 1974      |                 |               |               |
|             | LONGITUDE 122 50 40 W                |                   |            |                    |              |             |                     |           |                 |               |               |
|             | DRAINAGE AREA 5.70 km <sup>2</sup>   |                   |            |                    |              |             |                     |           |                 |               |               |
|             | TOTAL NUMBER OF SAMPLES              |                   | 587        |                    | 478          | 497         |                     | 49        |                 |               | 2             |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |           |                 |               |               |
| 08MFO09     | SILVERHOPE CREEK NEAR HOPE           | M-S               | 1986       | 1986               | 1986         | 1986        |                     |           |                 |               |               |
|             | LATITUDE 49 21 07 N                  | M-C               | 1989-70    | 1989-70            | 1989-70      | 1989-70     |                     |           |                 |               |               |
|             | LONGITUDE 121 22 09 W                | M-MS              | 1971       |                    | 1971         | 1971        |                     |           |                 |               |               |
|             | DRAINAGE AREA 380 km <sup>2</sup>    |                   |            |                    |              |             |                     |           |                 |               |               |
|             | TOTAL NUMBER OF SAMPLES              |                   | 139        |                    | 138          | 110         |                     |           |                 |               |               |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |           |                 |               |               |
| 08NLO38     | SIMILKAMEEN RIVER NEAR WEDLEY        | M-MS              | 1988       |                    | 1988         | 1988        |                     | 1988      |                 |               |               |
|             | LATITUDE 49 32 39 N                  |                   |            |                    |              |             |                     |           |                 |               |               |
|             | LONGITUDE 120 08 05 W                |                   |            |                    |              |             |                     |           |                 |               |               |
|             | DRAINAGE AREA 5 590 km <sup>2</sup>  |                   |            |                    |              |             |                     |           |                 |               |               |
|             | TOTAL NUMBER OF SAMPLES              |                   | 30         |                    | 30           | 30          |                     |           |                 |               |               |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |           |                 |               |               |
| 08EP001     | SKEENA RIVER AT USK                  | M-MS              | 1988       |                    | 1988         | 1988        |                     | 1988      |                 |               |               |
|             | LATITUDE 54 37 50 N                  |                   |            |                    |              |             |                     |           |                 |               |               |
|             | LONGITUDE 128 25 40 W                |                   |            |                    |              |             |                     |           |                 |               |               |
|             | DRAINAGE AREA 43 200 km <sup>2</sup> |                   |            |                    |              |             |                     |           |                 |               |               |
|             | TOTAL NUMBER OF SAMPLES              |                   | 15         |                    | 15           | 15          |                     | 5         |                 |               |               |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |           |                 |               |               |
| 08NJ192     | SHISKY CREEK ABOVE DIVERSIONS        | M-MS              | 1983-88    |                    | 1983-88      | 1983-88     |                     |           |                 |               |               |
|             | LATITUDE 49 37 57 N                  |                   |            |                    |              |             |                     |           |                 |               |               |
|             | LONGITUDE 117 31 04 W                |                   |            |                    |              |             |                     |           |                 |               |               |
|             | DRAINAGE AREA 8.88 km <sup>2</sup>   |                   |            |                    |              |             |                     |           |                 |               |               |
|             | TOTAL NUMBER OF SAMPLES              |                   | 493        |                    | 138          | 490         |                     |           |                 |               |               |
|             | REMARK(S) - NATURAL FLOW             |                   |            |                    |              |             |                     |           |                 |               |               |
|             |                                      |                   |            |                    |              |             |                     |           |                 |               |               |
| 08GAC53     | SQUAMISH RIVER BELOW MAMQUAN RIVER   | P-S               | 1973-75    |                    |              |             |                     |           |                 |               |               |
|             | LATITUDE 49 43 20 N                  |                   |            |                    |              |             |                     |           |                 |               |               |
|             | LONGITUDE 123 09 54 W                |                   |            |                    |              |             |                     |           |                 |               |               |
|             | DRAINAGE AREA km <sup>2</sup>        |                   |            |                    |              |             |                     |           |                 |               |               |
|             | TOTAL NUMBER OF SAMPLES              |                   | 334        |                    |              |             |                     |           |                 |               |               |
|             | REMARK(S) - REGULATED SINCE 1957     |                   |            |                    |              |             |                     |           |                 |               |               |
| 08GAC22     | SQUAMISH RIVER NEAR BRACKENDALE      | M-MS              | 1988       |                    | 1988         | 1988        |                     | 1988      |                 |               |               |
|             | LATITUDE 49 47 40 N                  |                   |            |                    |              |             |                     |           |                 |               |               |
|             | LONGITUDE 123 12 00 W                |                   |            |                    |              |             |                     |           |                 |               |               |
|             | DRAINAGE AREA 2 330 km <sup>2</sup>  |                   |            |                    |              |             |                     |           |                 |               |               |
|             | TOTAL NUMBER OF SAMPLES              |                   | 5          |                    |              | 5           |                     |           |                 |               |               |
|             | REMARK(S) - REGULATED SINCE 1987     |                   |            |                    |              |             |                     |           |                 |               |               |

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C - CONTINUOUS OPERATION  
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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES



| STATION NO. | NAME                                                                                 | TYPE OF OPERATION | CONC. DATA         | SUSPENDED SEDIMENT |                 |                    | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------------------------------------------------|-------------------|--------------------|--------------------|-----------------|--------------------|---------------------|-----------------|----------------------------|
|             |                                                                                      |                   |                    | LOADS              | DISS. SOLIDS    | WATER TEMP.        | PARTICLE SIZE POINT | DEPTH           |                            |
| 08MH040     | STAVE LAKE INFLOW                                                                    | M-MS              | 1968-71            | 1968-71            | 1968-71         | 1968-71            |                     |                 |                            |
|             | LATITUDE 49 13 40 N<br>LONGITUDE 122 21 18 W<br>DRAINAGE AREA 835 km <sup>2</sup>    |                   |                    |                    |                 |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 131                | 130                | 88              |                    |                     |                 |                            |
|             | REMARK(S) - REGULATED                                                                |                   |                    |                    |                 |                    |                     |                 |                            |
| 08CF001     | STIKINE RIVER ABOVE BUTTERFLY CREEK                                                  | M-S<br>M-MS       | 1982<br>1982-84    | 1982               | 1982<br>1982-84 | 1982<br>1982-84    |                     | 1982<br>1982-84 |                            |
|             | LATITUDE 57 39 10 N<br>LONGITUDE 121 48 00 W<br>DRAINAGE AREA 39 000 km <sup>2</sup> |                   |                    |                    |                 |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 99                 | 77                 | 88              |                    | 27                  |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                    |                    |                 |                    |                     |                 |                            |
| 08CF002     | STIKINE RIVER ABOVE CHOQUETTE RIVER                                                  | M-MS              | 1982-84            |                    | 1982-84         | 1982-84            |                     | 1982-84         |                            |
|             | LATITUDE 58 28 45 N<br>LONGITUDE 121 48 57 W<br>DRAINAGE AREA km <sup>2</sup>        |                   |                    |                    |                 |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 39                 | 24                 | 20              |                    | 12                  |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                    |                    |                 |                    |                     |                 |                            |
| 08CF001     | STIKINE RIVER ABOVE GRAND CANYON                                                     | M-S<br>M-MS       | 1980-84<br>1988    | 1980-84            | 1982-84<br>1988 | 1981-84<br>1988    |                     | 1981-84<br>1988 |                            |
|             | LATITUDE 58 02 38 N<br>LONGITUDE 122 06 45 W<br>DRAINAGE AREA 18 500 km <sup>2</sup> |                   |                    |                    |                 |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 345                | 88                 | 287             |                    | 74                  |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                    |                    |                 |                    |                     |                 |                            |
|             |                                                                                      |                   |                    |                    |                 |                    |                     |                 |                            |
| 08CF001     | STIKINE RIVER AT TELEGRAPH CREEK                                                     | M-MS<br>M-MS      | 1988<br>1972       |                    | 1988<br>1972    | 1988               |                     |                 |                            |
|             | LATITUDE 57 54 03 N<br>LONGITUDE 121 08 19 W<br>DRAINAGE AREA 29 300 km <sup>2</sup> |                   |                    |                    |                 |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 9                  | 3                  | 1               |                    | 1                   |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                    |                    |                 |                    |                     |                 |                            |
| 07FH007     | SUKUNKU RIVER ABOVE CHAMBERLAIN CREEK                                                | M-S<br>M-S        | 1978-84<br>1988    | 1978-84<br>1988    | 1982-84<br>1988 | 1978-84<br>1988    |                     | 1982<br>1988    |                            |
|             | LATITUDE 56 11 18 N<br>LONGITUDE 121 48 40 W<br>DRAINAGE AREA 827 km <sup>2</sup>    |                   |                    |                    |                 |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 181                | 80                 | 182             |                    | 4                   |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                    |                    |                 |                    |                     |                 |                            |
| 07FH003     | SUKUNKU RIVER NEAR THE MOUTH                                                         | M-S<br>M-S        | 1978-81<br>1982-83 | 1978-81<br>1982-83 | 1982-83         | 1978-81<br>1982-83 |                     | 1978<br>1982-83 |                            |
|             | LATITUDE 56 33 34 N<br>LONGITUDE 121 27 38 W<br>DRAINAGE AREA 2 810 km <sup>2</sup>  |                   |                    |                    |                 |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 128                | 27                 | 115             |                    | 8                   |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                    |                    |                 |                    |                     |                 |                            |
| 08SB001     | TASKU RIVER NEAR TULSEQUAH                                                           | M-MS              | 1988               |                    | 1988            | 1988               |                     |                 |                            |
|             | LATITUDE 56 38 20 N<br>LONGITUDE 123 32 38 W<br>DRAINAGE AREA 15 500 km <sup>2</sup> |                   |                    |                    |                 |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 1                  | 1                  | 1               |                    |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                    |                    |                 |                    |                     |                 |                            |
| 08MH003     | TASKU RIVER AT OUTLET OF TASKU LAKE                                                  | M-MS              | 1982-84            |                    | 1982-84         | 1982-84            |                     |                 |                            |
|             | LATITUDE 51 22 48 N<br>LONGITUDE 123 37 59 W<br>DRAINAGE AREA 1 020 km <sup>2</sup>  |                   |                    |                    |                 |                    |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 35                 | 20                 | 35              |                    |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |                    |                    |                 |                    |                     |                 |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

## BRITISH COLUMBIA

| STATION NO. | NAME                                | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | SED LOAD            |       | SED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-------|----------------------------|
|             |                                     |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH |                            |
| 08NN010     | TRAPPING CREEK NEAR THE MOUTH       | M-MS              | 1986-87    |                    |              | 1986-87     |                     |       |                            |
|             | LATITUDE 49 33 52 N                 |                   |            |                    |              |             |                     |       |                            |
|             | LONGITUDE 119 03 08 W               |                   |            |                    |              |             |                     |       |                            |
|             | DRAINAGE AREA 144 km <sup>2</sup>   |                   |            |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 12         |                    |              | 9           |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |                    |              |             |                     |       |                            |
| 08CD001     | TUVA RIVER NEAR TELEGRAPH CREEK     | M-MS              | 1972       |                    | 1972         | 1972        |                     |       |                            |
|             | LATITUDE 54 04 20 N                 |                   |            |                    |              |             |                     |       |                            |
|             | LONGITUDE 120 49 27 W               |                   |            |                    |              |             |                     |       |                            |
|             | DRAINAGE AREA 3 500 km <sup>2</sup> |                   |            |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 2          |                    | 2            | 2           |                     | 1     |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |                    |              |             |                     |       |                            |
| 08NM150     | VERNON CREEK NEAR THE MOUTH         | M-S               | 1978       | 1978               |              | 1978        |                     |       |                            |
|             | LATITUDE 50 15 19 N                 | M-C               | 1977-80    | 1977-80            |              | 1977-80     |                     |       |                            |
|             | LONGITUDE 119 18 20 W               |                   |            |                    |              |             |                     |       |                            |
|             | DRAINAGE AREA 751 km <sup>2</sup>   |                   |            |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 305        |                    |              | 390         |                     |       |                            |
|             | REMARK(S) - REGULATED               |                   |            |                    |              |             |                     |       |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

# MANITOBA

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| STATION NO | NAME                                      | TYPE OF OPERATION                         | CONC. DATA                                                          | SUSPENDED SEDIMENT                                                  |                                                                     |                                                                     |                                                                     | SED LOAD        |                                            | SED MATERIAL PARTICLE SIZE |
|------------|-------------------------------------------|-------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|-----------------|--------------------------------------------|----------------------------|
|            |                                           |                                           |                                                                     | LOADS                                                               | DISS. SOLIDS                                                        | WATER TEMP.                                                         | PARTICLE SIZE POINT DEPTH                                           | VOLUME OR LOADS | PARTICLE SIZE                              |                            |
| OSNFO02    | ANTLER RIVER NEAR MELITA                  | M-S<br>M-C<br>M-S                         | 1976-77<br>1978-88<br>1987                                          | 1978-77<br>1978-88<br>1987                                          | 1978-77<br>1978-88<br>1987                                          | 1978-77<br>1978-88<br>1987                                          |                                                                     |                 |                                            |                            |
|            | LATITUDE 49 03 34 N                       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LONGITUDE 101 02 58 W                     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LAND DESCRIPTION NE20-01-27-W1            |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | DRAINAGE AREA 3 210 km <sup>2</sup>       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | TOTAL NUMBER OF SAMPLES                   |                                           | 488                                                                 |                                                                     | 288                                                                 | 470                                                                 |                                                                     |                 |                                            |                            |
|            | REMARK(S) - NATURAL FLOW                  |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
| OSMJ001    | ASSINIBOINE RIVER AT HEADINGSLEY          | M-S<br>M-S<br>M-C<br>M-C<br>M-C<br>M-S    | 1988-89<br>1981<br>1982-74<br>1978-77<br>1978-80<br>1981-87<br>1988 | 1988-89<br>1981<br>1982-74<br>1978-77<br>1978-80<br>1981-87<br>1988 | 1988-89<br>1981<br>1982-74<br>1978-77<br>1978-80<br>1981-87<br>1988 | 1988-89<br>1981<br>1982-74<br>1978-77<br>1978-80<br>1981-87<br>1988 | 1988-89<br>1981<br>1982-74<br>1978-77<br>1978-80<br>1981-87<br>1988 |                 | 1988-74<br>1978-77<br>1978-78<br>1981      |                            |
|            | LATITUDE 49 52 08 N                       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LONGITUDE 87 24 10 W                      |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LAND DESCRIPTION NW28-10-01-E1            |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | DRAINAGE AREA 153 000 km <sup>2</sup>     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | TOTAL NUMBER OF SAMPLES                   |                                           | 2793                                                                |                                                                     | 1729                                                                | 2888                                                                | 280                                                                 | 279             |                                            | 82                         |
|            | REMARK(S) - REGULATED                     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
| OSMH005    | ASSINIBOINE RIVER NEAR HOLLAND            | M-S<br>M-S<br>M-C<br>M-C<br>M-C<br>M-S    | 1970-73<br>1974<br>1978-77<br>1978-80<br>1981-84<br>1988-87<br>1988 | 1970-73<br>1974<br>1978-77<br>1978-80<br>1981-84<br>1988-87<br>1988 | 1970-73<br>1974<br>1978-77<br>1978-80<br>1981-84<br>1988-87<br>1988 | 1970-73<br>1974<br>1978-77<br>1978-80<br>1981-84<br>1988-87<br>1988 | 1970-73<br>1974<br>1978-78<br>1978-80<br>1981-84<br>1988-87<br>1988 |                 | 1973<br>1974<br>1978-77<br>1978-78<br>1981 |                            |
|            | LATITUDE 49 41 04 N                       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LONGITUDE 98 53 08 W                      |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LAND DESCRIPTION SE23-05-11-W1            |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | DRAINAGE AREA 152 000 km <sup>2</sup>     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | TOTAL NUMBER OF SAMPLES                   |                                           | 1918                                                                |                                                                     | 970                                                                 | 1788                                                                | 88                                                                  | 103             |                                            | 18                         |
|            | REMARK(S) - REGULATED                     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
| OSMJ003    | ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE | M-S<br>M-S<br>M-C<br>M-C<br>M-C           | 1988-89<br>1981-82<br>1983-72<br>1973-78<br>1977-78                 | 1988-89<br>1981-82<br>1983-72<br>1973-78<br>1977-78                 | 1988-89<br>1982<br>1983-71<br>1973-78<br>1977-78                    | 1988-89<br>1982<br>1983-72<br>1973-78<br>1977-78                    | 1988-89<br>1982<br>1983-73<br>1978-78<br>1978-78                    |                 | 1988-91<br>1973-78<br>1977-78              |                            |
|            | LATITUDE 49 55 08 N                       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LONGITUDE 98 16 48 W                      |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LAND DESCRIPTION SW19-11-08-W1            |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | DRAINAGE AREA 152 000 km <sup>2</sup>     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | TOTAL NUMBER OF SAMPLES                   |                                           | 2309                                                                |                                                                     | 1871                                                                | 2100                                                                | 231                                                                 | 177             |                                            | 84                         |
|            | REMARK(S) - REGULATED                     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
| OSMJ005    | ASSINIBOINE RIVER NEAR ROSSENDALE         | M-S<br>M-C<br>M-MB                        | 1970<br>1971-72<br>1973                                             | 1970<br>1971-72<br>1973                                             | 1970<br>1971-72<br>1973                                             | 1970<br>1971-72<br>1973                                             | 1970<br>1971-72<br>1973                                             |                 | 1970<br>1971-72                            |                            |
|            | LATITUDE 49 45 32 N                       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LONGITUDE 98 38 32 W                      |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LAND DESCRIPTION SW21-09-09-W1            |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | DRAINAGE AREA 152 000 km <sup>2</sup>     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | TOTAL NUMBER OF SAMPLES                   |                                           | 351                                                                 |                                                                     | 338                                                                 | 323                                                                 | 47                                                                  | 22              |                                            | 8                          |
|            | REMARK(S) - REGULATED                     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
| OSNE001    | ASSINIBOINE RIVER NEAR RUSSELL            | M-S<br>M-S<br>M-C<br>M-S                  | 1989-73<br>1974<br>1978<br>1978                                     | 1989-73<br>1974<br>1978<br>1978                                     | 1989-73<br>1974<br>1978<br>1978                                     | 1989-73<br>1974<br>1978<br>1978                                     | 1989-73<br>1974<br>1978<br>1978                                     |                 | 1973                                       |                            |
|            | LATITUDE 50 48 35 N                       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LONGITUDE 101 28 10 W                     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LAND DESCRIPTION NW18-21-29-W1            |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | DRAINAGE AREA 19 300 km <sup>2</sup>      |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | TOTAL NUMBER OF SAMPLES                   |                                           | 889                                                                 |                                                                     | 617                                                                 | 887                                                                 |                                                                     |                 | 1                                          |                            |
|            | REMARK(S) - REGULATED SINCE 1989          |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
| OSTE001    | BURNTHOOD RIVER ABOVE THREE POINT LAKE    | M-MB<br>D-S<br>M-MB<br>P-S<br>D-S<br>M-MB | 1972<br>1977-78<br>1978<br>1980<br>1981-83<br>1984                  | 1972<br>1977-78<br>1978<br>1980<br>1981-83<br>1984                  | 1972<br>1977-78<br>1978<br>1980<br>1981-83<br>1984                  | 1972<br>1977-78<br>1978<br>1980<br>1981-83<br>1984                  | 1972<br>1977-78<br>1978<br>1980<br>1981-83<br>1984                  |                 |                                            |                            |
|            | LATITUDE 58 27 50 N                       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LONGITUDE 99 08 00 W                      |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | DRAINAGE AREA 8 980 km <sup>2</sup>       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | TOTAL NUMBER OF SAMPLES                   |                                           | 340                                                                 |                                                                     | 121                                                                 | 20                                                                  |                                                                     |                 |                                            |                            |
|            | REMARK(S) - NATURAL FLOW                  |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
| OSTE004    | BURNTHOOD RIVER BELOW FIRST RAPIDS        | M-MB<br>M-MB<br>M-MB                      | 1978-79<br>1984-85<br>1987                                          | 1978-79<br>1984-85<br>1987                                          | 1978-79<br>1984-85<br>1987                                          | 1978-79<br>1984-85<br>1987                                          | 1978-79<br>1984-85<br>1987                                          |                 |                                            |                            |
|            | LATITUDE 58 08 13 N                       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LONGITUDE 99 50 08 W                      |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | DRAINAGE AREA 863 km <sup>2</sup>         |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | TOTAL NUMBER OF SAMPLES                   |                                           | 10                                                                  |                                                                     | 10                                                                  | 7                                                                   |                                                                     |                 |                                            |                            |
|            | REMARK(S) - REGULATED                     |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
| OSTE001    | BURNTHOOD RIVER NEAR THOMPSON             | P-S<br>M-MB<br>M-MB<br>M-MB<br>M-MB       | 1970-78<br>1977-78<br>1981<br>1984-85<br>1987                       | 1970-78<br>1977-78<br>1981<br>1984-85<br>1987                       | 1970-72<br>1977-78<br>1981<br>1984-85<br>1987                       | 1970-71<br>1978<br>1981<br>1984-85<br>1987                          | 1970-71<br>1978<br>1981<br>1984-85<br>1987                          |                 | 1971                                       |                            |
|            | LATITUDE 55 44 40 N                       |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | LONGITUDE 97 53 30 W                      |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | DRAINAGE AREA 18 500 km <sup>2</sup>      |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |
|            | TOTAL NUMBER OF SAMPLES                   |                                           | 434                                                                 |                                                                     | 183                                                                 | 87                                                                  |                                                                     |                 |                                            | 1                          |
|            | REMARK(S) - REGULATED SINCE 1973          |                                           |                                                                     |                                                                     |                                                                     |                                                                     |                                                                     |                 |                                            |                            |

P - PUMP SAMPLING  
M - MANUAL SAMPLING  
D - DUAL PUMP AND MANUAL SAMPLING

C - CONTINUOUS OPERATION  
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S - SEASONAL OPERATION

V - VOLUMETRIC MEASUREMENT

SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                     | TYPE OF OPERATION  | CODE DATA                                                                  | SUSPENDED SEDIMENT |              |             | BED LOAD                  |                      | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------|--------------------|----------------------------------------------------------------------------|--------------------|--------------|-------------|---------------------------|----------------------|----------------------------|
|             |                                          |                    |                                                                            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS SIZE |                            |
| 088004      | CHURCHILL RIVER ABOVE LEAF RAPIDS        | M-MS               | 1978                                                                       |                    |              |             |                           |                      |                            |
|             | LATITUDE 54 28 37 N                      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LONGITUDE 100 02 55 W                    |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | DRAINAGE AREA 244 000 km <sup>2</sup>    |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                    | 2                                                                          |                    |              |             |                           |                      |                            |
|             | REMARK(S) - REGULATED SINCE 1936         |                    |                                                                            |                    |              |             |                           |                      |                            |
| 08LJ047     | EDWARDS CREEK DRAIN BELOW JACKFISH CREEK | M-S                | 1980-82 1980-82 1980-82 1980-82                                            |                    |              |             | 1980-82                   |                      |                            |
|             | LATITUDE 51 08 30 N                      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LONGITUDE 98 45 20 W                     |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LAND DESCRIPTION SE09-28-19-W1           |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | DRAINAGE AREA 311 km <sup>2</sup>        |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                    | 723                                                                        | 385                | 686          |             | 83                        |                      |                            |
|             | REMARK(S) - REGULATED                    |                    |                                                                            |                    |              |             |                           |                      |                            |
| 08LJ052     | EDWARDS CREEK NEAR DAUPHIN               | M-MS<br>M-S        | 1988<br>1971-79 1971-79 1971-79 1971-79                                    |                    |              |             | 1971-79                   |                      | 1971                       |
|             | LATITUDE 51 07 30 N                      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LONGITUDE 100 02 20 W                    |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LAND DESCRIPTION NW38-24-19-W1           |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | DRAINAGE AREA 142 km <sup>2</sup>        |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                    | 557                                                                        | 484                | 912          |             | 135                       |                      | 2                          |
|             | REMARK(S) - REGULATED                    |                    |                                                                            |                    |              |             |                           |                      |                            |
| 088C002     | ICELANDIC RIVER NEAR RIVERTON            | M-S                | 1988 1988 1988 1988                                                        |                    |              |             | 1988                      |                      |                            |
|             | LATITUDE 50 57 35 N                      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LONGITUDE 97 02 10 W                     |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | DRAINAGE AREA 1 276 km <sup>2</sup>      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                    | 82                                                                         | 90                 | 82           |             |                           |                      |                            |
|             | REMARK(S) - NATURAL FLOW                 |                    |                                                                            |                    |              |             |                           |                      |                            |
| 08LJ046     | WINK CREEK NEAR SIFTON                   | M-S                | 1980-82 1980-82 1980-82 1980-82                                            |                    |              |             |                           |                      |                            |
|             | LATITUDE 51 25 55 N                      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LONGITUDE 100 01 00 W                    |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LAND DESCRIPTION NE28-24-19-W1           |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | DRAINAGE AREA 289 km <sup>2</sup>        |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                    | 30                                                                         | 34                 | 27           |             |                           |                      |                            |
|             | REMARK(S) - NATURAL FLOW                 |                    |                                                                            |                    |              |             |                           |                      |                            |
| 08LJ029     | MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE | M-C                | 1980-82 1980-82 1980-82 1980-82                                            |                    |              |             |                           |                      |                            |
|             | LATITUDE 51 27 00 N                      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LONGITUDE 99 58 00 W                     |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LAND DESCRIPTION SE06-28-19-W1           |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | DRAINAGE AREA 8 710 km <sup>2</sup>      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                    | 111                                                                        | 103                | 85           |             |                           |                      |                            |
|             | REMARK(S) - REGULATED                    |                    |                                                                            |                    |              |             |                           |                      |                            |
| 08UD004     | NELSON RIVER ABOVE BLADDER RAPIDS        | M-MS<br>M-MS       | 1978<br>1984                                                               |                    | 1978<br>1984 |             |                           |                      |                            |
|             | LATITUDE 54 48 30 N                      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LONGITUDE 97 58 50 W                     |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | DRAINAGE AREA 1 000 000 km <sup>2</sup>  |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                    | 15                                                                         |                    | 15           |             |                           |                      |                            |
|             | REMARK(S) - REGULATED SINCE 1973         |                    |                                                                            |                    |              |             |                           |                      |                            |
| 08LJ005     | DOHRE RIVER AT DOHRE RIVER               | M-S                | 1980-82 1980-82 1980-82 1980-82                                            |                    |              |             | 1980-82                   |                      |                            |
|             | LATITUDE 51 03 55 N                      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LONGITUDE 99 45 44 W                     |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LAND DESCRIPTION NE08-24-17-W1           |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | DRAINAGE AREA 342 km <sup>2</sup>        |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                    | 282                                                                        | 198                | 198          |             | 15                        |                      |                            |
|             | REMARK(S) - NATURAL FLOW                 |                    |                                                                            |                    |              |             |                           |                      |                            |
| 08TG003     | ODEI RIVER NEAR THOMPSON                 | D-S<br>M-MS<br>D-S | 1979-83 1979-83 1979-83 1979-83<br>1984<br>1985-87 1985-87 1985-87 1985-87 |                    |              |             |                           |                      |                            |
|             | LATITUDE 55 59 45 N                      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | LONGITUDE 97 21 23 W                     |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | DRAINAGE AREA 8 135 km <sup>2</sup>      |                    |                                                                            |                    |              |             |                           |                      |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                    | 557                                                                        | 71                 | 45           |             |                           |                      |                            |
|             | REMARK(S) - NATURAL FLOW                 |                    |                                                                            |                    |              |             |                           |                      |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                                                                 | TYPE OF OPERATION                      | CONC. DATA                                         | SUSPENDED SEDIMENT                                 |                                                    |                                                    |                                                    | SED LOAD        |               | SED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------|---------------|----------------------------|
|             |                                                                                                                      |                                        |                                                    | LOADS                                              | DISS. SOLIDS                                       | WATER TEMP.                                        | PARTICLE SIZE POINT                                | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 08LJ034     | PACKHORSE CREEK NEAR MCCREARY                                                                                        | M-S                                    | 1982-78                                            | 1982-78                                            | 1982-72                                            | 1982-78                                            |                                                    | 1982-78         |               | 1988                       |
|             | LATITUDE 50 43 00 N<br>LONGITUDE 99 38 00 W<br>LAND DESCRIPTION SE14-20-18-W1<br>DRAINAGE AREA 8.14 km <sup>2</sup>  |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                              |                                        | 819                                                | 380                                                | 840                                                |                                                    | 72                                                 |                 |               | 2                          |
|             | REMARK(S) - NATURAL FLOW                                                                                             |                                        | - DATA CONTRIBUTED BY 380                          |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
| 0808007     | PEMBINA RIVER NEAR WINDYGATES                                                                                        | M-S<br>M-C<br>M-C                      | 1982<br>1983-88<br>1970-77                         | 1982<br>1983-88<br>1970-77                         | 1982<br>1983-88<br>1970-77                         | 1982<br>1983-88<br>1970-77                         | 1984-87<br>1983-88<br>1970-77                      |                 |               | 1983-88<br>1970-77<br>1981 |
|             | LATITUDE 49 01 53 N<br>LONGITUDE 98 18 40 W<br>LAND DESCRIPTION SE13-01-07-W1<br>DRAINAGE AREA 7 800 km <sup>2</sup> |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                              |                                        | 2878                                               | 1745                                               | 2842                                               |                                                    | 105                                                | 230             |               | 34                         |
|             | REMARK(S) - REGULATED                                                                                                |                                        | - INTERNATIONAL GAUGING STATION                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
| 08L018      | PORTAGE DIVERSION NEAR OAKLAND                                                                                       | M-S<br>M-S                             | 1970-71<br>1972-73                                 | 1970-71<br>1972-73                                 | 1970-71<br>1972                                    | 1970-71<br>1972                                    | 1970-71<br>1972                                    |                 |               | 1970-71<br>1974-78         |
|             | LATITUDE 50 08 30 N<br>LONGITUDE 98 22 50 W<br>LAND DESCRIPTION SE20-13-07-W1<br>DRAINAGE AREA km <sup>2</sup>       |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                              |                                        | 340                                                | 123                                                | 241                                                |                                                    | 88                                                 | 30              |               | 7                          |
|             | REMARK(S) - REGULATED SINCE 1970                                                                                     |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
| 08L019      | PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE                                                                            | M-S<br>M-S<br>M-S                      | 1970-73<br>1974-77<br>1978                         | 1970-73<br>1974-77<br>1978                         | 1970-72<br>1974-78<br>1978                         | 1970-72<br>1974-78<br>1978                         | 1970-72<br>1974-78<br>1978                         |                 |               |                            |
|             | LATITUDE 49 58 00 N<br>LONGITUDE 98 22 50 W<br>LAND DESCRIPTION SE32-11-07-W1<br>DRAINAGE AREA km <sup>2</sup>       |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                              |                                        | 207                                                | 30                                                 | 210                                                |                                                    | 33                                                 |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1970                                                                                     |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
| 08TF003     | RAT RIVER BELOW NOTISI CONTROL STRUCTURE                                                                             | M-MB<br>M-MB<br>M-MB                   | 1972<br>1978-79<br>1981                            | 1972<br>1978-79<br>1981                            | 1972<br>1978-79<br>1981                            | 1972<br>1978-79<br>1981                            |                                                    |                 |               |                            |
|             | LATITUDE 55 51 37 N<br>LONGITUDE 99 17 34 W<br>DRAINAGE AREA 8 080 km <sup>2</sup>                                   |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                              |                                        | 18                                                 | 18                                                 | 12                                                 |                                                    |                                                    |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1978                                                                                     |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
| 080C003     | RED RIVER AT ELM PARK BRIDGE                                                                                         | M-S<br>M-S                             | 1958-59<br>1981                                    |                                                    |                                                    |                                                    | 1988-89<br>1981                                    |                 |               |                            |
|             | LATITUDE 49 51 15 N<br>LONGITUDE 97 08 30 W<br>DRAINAGE AREA km <sup>2</sup>                                         |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                              |                                        | 40                                                 |                                                    |                                                    |                                                    | 14                                                 |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1989                                                                                     |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
| 080C001     | RED RIVER AT EMERSON                                                                                                 | M-S<br>M-S<br>M-C<br>M-C<br>M-C<br>M-S | 1958<br>1961<br>1978-80<br>1981-88<br>1987<br>1988 | 1958<br>1981<br>1978-80<br>1981-88<br>1987<br>1988 | 1958<br>1981<br>1978-80<br>1981-88<br>1987<br>1988 | 1958<br>1981<br>1978-80<br>1981-88<br>1987<br>1988 | 1958<br>1981<br>1978-80<br>1981-88<br>1987<br>1988 |                 |               | 1988<br>1978-79<br>1981    |
|             | LATITUDE 49 00 30 N<br>LONGITUDE 97 12 40 W<br>DRAINAGE AREA 104 000 km <sup>2</sup>                                 |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                              |                                        | 1848                                               | 782                                                | 1802                                               |                                                    | 171                                                | 134             |               | 8                          |
|             | REMARK(S) - REGULATED                                                                                                |                                        | - INTERNATIONAL GAUGING STATION                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
| 080J005     | RED RIVER AT SELKIRK                                                                                                 | M-S<br>M-S<br>M-MB                     | 1988-89<br>1981<br>1974                            |                                                    | 1988<br>1981<br>1974                               |                                                    | 1988-89<br>1974                                    |                 |               |                            |
|             | LATITUDE 50 08 30 N<br>LONGITUDE 98 52 05 W<br>DRAINAGE AREA km <sup>2</sup>                                         |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                              |                                        | 45                                                 |                                                    | 21                                                 |                                                    | 14                                                 |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                                |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
| 080J001     | RED RIVER AT WINNIPEG                                                                                                | M-S<br>M-S                             | 1958-59<br>1981                                    |                                                    | 1958-59<br>1981                                    |                                                    | 1958-59                                            |                 |               |                            |
|             | LATITUDE 49 58 00 N<br>LONGITUDE 97 07 30 W<br>DRAINAGE AREA 287 000 km <sup>2</sup>                                 |                                        |                                                    |                                                    |                                                    |                                                    |                                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                              |                                        | 48                                                 |                                                    | 17                                                 |                                                    | 22                                                 |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                                |                                        | - DATA CONTRIBUTED BY 500                          |                                                    |                                                    |                                                    |                                                    |                 |               |                            |

P - PUMP SAMPLING  
M - MANUAL SAMPLING  
D - DUAL PUMP AND MANUAL SAMPLING

C - CONTINUOUS OPERATION  
MS - MISCELLANEOUS OPERATION  
S - SEASONAL OPERATION

V - VOLUMETRIC MEASUREMENT

SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

## MANITOBA

| STATION NO. | NAME                                   | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|----------------------------|
|             |                                        |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS |                            |
| 050J014     | RED RIVER FLOODWAY NEAR LOCKPORT       | M-S               | 1989-73    | 1989-73            | 1989-71      | 1989-72     | 1989-71             | 1989-72         | 1989-71                    |
|             |                                        | M-S               | 1974       | 1974               | 1974         | 1974        | 1974                | 1974            | 1974                       |
|             |                                        | D-S               | 1975-78    | 1975-78            |              | 1975-78     | 1975                | 1975-78         | 1975                       |
|             |                                        |                   |            |                    |              |             |                     |                 |                            |
|             |                                        |                   |            |                    |              |             |                     |                 |                            |
|             | LATITUDE 50 05 00 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 96 55 40 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA km <sup>2</sup>          |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 128        | 98                 | 108          | 141         | 58                  |                 | 9                          |
|             | REMARK(S) - REGULATED SINCE 1989       |                   |            |                    |              |             |                     |                 |                            |
| 050C017     | RED RIVER FLOODWAY NEAR ST. NORBERT    | M-S               | 1989-70    | 1989-70            | 1989-70      | 1989-70     | 1989                | 1989-70         | 1989-70                    |
|             |                                        | M-S               | 1971-73    | 1971-73            | 1971-73      | 1971-72     | 1971                | 1971-72         | 1971                       |
|             |                                        | M-S               | 1974-78    | 1974-78            |              | 1974-78     | 1974                | 1974            | 1974                       |
|             |                                        | M-S               | 1978-77    | 1978-77            |              | 1978        | 1978                | 1978            | 1978                       |
|             |                                        | M-S               | 1978-79    | 1978-79            | 1978-79      | 1978-79     | 1979                | 1978-79         | 1979                       |
|             | LATITUDE 49 45 24 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 97 07 38 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA km <sup>2</sup>          |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 210        | 126                | 208          | 131         | 58                  |                 | 10                         |
|             | REMARK(S) - REGULATED SINCE 1989       |                   |            |                    |              |             |                     |                 |                            |
| 050J010     | RED RIVER NEAR LOCKPORT                | M-S               | 1982       | 1982               | 1982         |             |                     |                 |                            |
|             |                                        | M-C               | 1983-71    | 1983-71            | 1983-71      | 1983-71     | 1983-71             | 1983-71         |                            |
|             |                                        | D-C               | 1972-77    | 1972-77            | 1977         | 1972-77     | 1974-78             | 1972-78         |                            |
|             |                                        | M-C               | 1978-81    | 1978-81            | 1978-81      | 1978-81     | 1978                | 1978-79         |                            |
|             |                                        | M-S               | 1982-87    | 1982-87            | 1982-87      | 1982-87     | 1987                | 1982-87         |                            |
|             | LATITUDE 50 05 28 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 96 55 54 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 287 000 km <sup>2</sup>  |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 4233       | 2222               | 3334         | 486         | 204                 |                 |                            |
|             | REMARK(S) - REGULATED                  |                   |            |                    |              |             |                     |                 |                            |
| 050C008     | RED RIVER NEAR ST. NORBERT             | M-S               | 1987       | 1987               | 1987         |             |                     |                 |                            |
|             |                                        | M-S               | 1989-72    | 1989-72            | 1989-71      | 1989-72     | 1971                | 1989-72         | 1989-71                    |
|             |                                        | M-S               | 1974-78    | 1974-78            | 1974         | 1974-78     | 1974                | 1974-78         | 1974                       |
|             |                                        | M-S               | 1978       | 1978               |              | 1978        | 1978                | 1978            | 1978                       |
|             |                                        | M-S               | 1978-79    | 1978-79            | 1978-79      | 1978-79     | 1979                | 1978-79         | 1979                       |
|             | LATITUDE 49 47 10 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 97 05 13 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 124 000 km <sup>2</sup>  |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 231        | 178                | 238          | 138         | 48                  |                 | 10                         |
|             | REMARK(S) - REGULATED                  |                   |            |                    |              |             |                     |                 |                            |
| 050C012     | RED RIVER NEAR STE. AGATHE             | M-S               | 1981       | 1981               | 1981         |             |                     |                 |                            |
|             |                                        | M-C               | 1982-88    | 1982-88            | 1982-88      | 1982-88     | 1982-88             | 1982-88         | 1982-88                    |
|             |                                        | M-C               | 1987-70    | 1987-70            | 1987-70      | 1987-70     | 1987-88             | 1987-70         | 1987-70                    |
|             |                                        | D-C               | 1971-73    | 1971-73            | 1971-73      | 1971-73     | 1971                | 1971-73         | 1971-73                    |
|             |                                        | D-C               | 1974-78    | 1974-78            | 1974-78      | 1974-78     | 1974-78             | 1974-78         | 1974-78                    |
|             | LATITUDE 49 33 40 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 97 03 15 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 117 000 km <sup>2</sup>  |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 2043       | 1802               | 1020         | 383         | 114                 |                 | 88                         |
|             | REMARK(S) - REGULATED                  |                   |            |                    |              |             |                     |                 |                            |
| 050C004     | ROSEAU RIVER AT SARDENTON              | M-S               | 1972-78    | 1972-78            | 1972-74      | 1972-78     |                     |                 |                            |
|             |                                        | M-S               | 1978-87    | 1978-87            | 1978-87      | 1978-87     | 1987                |                 |                            |
|             |                                        |                   |            |                    |              |             |                     |                 |                            |
|             |                                        |                   |            |                    |              |             |                     |                 |                            |
|             |                                        |                   |            |                    |              |             |                     |                 |                            |
|             | LATITUDE 49 05 18 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 96 41 18 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION SW02-02-08-E1         |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 4 470 km <sup>2</sup>    |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 1400       | 880                | 1388         |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                   |            |                    |              |             |                     |                 |                            |
| 050C001     | ROSEAU RIVER NEAR DOMINION CITY        | M-S               | 1972-75    | 1972-75            | 1972-74      | 1972-75     |                     |                 |                            |
|             |                                        | M-S               | 1978-78    | 1978-78            | 1978-78      | 1978-78     |                     |                 |                            |
|             |                                        | M-C               | 1979-82    | 1979-82            | 1979-82      | 1979-82     | 1980                |                 |                            |
|             |                                        | M-C               | 1983-87    | 1983-87            | 1983-87      | 1983-87     | 1983-88             |                 |                            |
|             |                                        |                   |            |                    |              |             |                     |                 |                            |
|             | LATITUDE 49 11 53 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 97 03 15 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | LAND DESCRIPTION S212-03-03-E1         |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 6 200 km <sup>2</sup>    |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 1887       | 798                | 1713         |             | 3                   |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                   |            |                    |              |             |                     |                 |                            |
| 050J001     | SASKATCHEWAN RIVER AT THE PAS          | M-S               | 1984-87    | 1984-87            | 1988-87      | 1984        | 1984                | 1984-87         | 1984-88                    |
|             |                                        | M-S               | 1988-80    | 1988-80            | 1988-80      | 1988-80     | 1988                |                 |                            |
|             |                                        | M-C               | 1982       | 1982               | 1982         |             |                     |                 | 1982                       |
|             |                                        | M-C               | 1983-88    | 1983-88            | 1983-88      | 1983-88     | 1983-88             | 1983-88         | 1983-88                    |
|             |                                        | M-C               | 1989-71    | 1989-71            | 1989-71      | 1989-71     | 1989                | 1989-71         | 1989-71                    |
|             | LATITUDE 53 50 30 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 101 11 10 W                  |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 347 000 km <sup>2</sup>  |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 3432       | 1084               | 2928         | 314         | 187                 |                 | 80                         |
|             | REMARK(S) - REGULATED                  |                   |            |                    |              |             |                     |                 |                            |
| 050E013     | SEINE RIVER DIVERSION NEAR ST. ADOLPHE | M-S               | 1972       | 1972               | 1972         |             |                     |                 |                            |
|             |                                        | M-S               | 1973-74    | 1973-74            | 1973-74      | 1973-74     | 1972                |                 |                            |
|             |                                        | D-S               | 1975-78    | 1975-78            | 1978         | 1978        | 1978                |                 |                            |
|             |                                        | D-S               | 1977-78    | 1977-78            | 1977-78      | 1977-78     | 1978                |                 |                            |
|             |                                        | M-S               | 1978       | 1978               | 1978         | 1978        |                     |                 |                            |
|             | LATITUDE 49 41 50 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 97 05 30 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA km <sup>2</sup>          |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 430        | 352                | 138          |             | 8                   |                 |                            |
|             | REMARK(S) - REGULATED                  |                   |            |                    |              |             |                     |                 |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES



| STATION NO. | NAME                                                                                                                    | TYPE OF OPERATION   | CONC. DATA                      | SUSPENDED SEDIMENT            |                               |                               |                               | SED LOAD        |               | SED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------|---------------|----------------------------|
|             |                                                                                                                         |                     |                                 | LOADS                         | DISS. SOLIDS                  | WATER TEMP.                   | PARTICLE SIZE POINT           | VOLUME OR LOADS | PARTICLE SIZE |                            |
| OSNH008     | SEINE RIVER DIVERSION NEAR STE. ANNE                                                                                    | D-MS<br>D-S<br>D-S  | 1972<br>1973-77<br>1978-79      | 1973-77<br>1978-79            | 1972<br>1973-78<br>1978-79    | 1972<br>1973-76<br>1978-79    | 1972<br>1973-76<br>1978       |                 |               |                            |
|             | LATITUDE 48 38 10 N<br>LONGITUDE 98 38 10 W<br>DRAINAGE AREA km <sup>2</sup>                                            |                     |                                 |                               |                               |                               |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                     | 327                             |                               | 234                           | 185                           | 4                             |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                                   |                     |                                 |                               |                               |                               |                               |                 |               |                            |
| OSNH001     | SOURIS RIVER AT WAWANESA                                                                                                | M-S<br>M-C          | 1980<br>1981-88<br>1987-88      | 1980<br>1981-88<br>1987-88    | 1980<br>1981-88<br>1987-88    | 1980<br>1981-88<br>1987-88    |                               |                 |               |                            |
|             | LATITUDE 48 38 05 N<br>LONGITUDE 98 40 55 W<br>LAND DESCRIPTION NW25-07-17-W1<br>DRAINAGE AREA 81 100 km <sup>2</sup>   |                     |                                 |                               |                               |                               | 1982-83<br>1987               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                     | 820                             |                               | 371                           | 808                           | 10                            |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                                   |                     |                                 |                               |                               |                               |                               |                 |               |                            |
| OSNF018     | SOURIS RIVER NEAR COULTER                                                                                               | M-S<br>M-C          | 1977<br>1978-88                 | 1977<br>1978-88               | 1977<br>1978-88               | 1977<br>1978-88               | 1983-88                       |                 |               |                            |
|             | LATITUDE 48 05 27 N<br>LONGITUDE 100 57 12 W<br>LAND DESCRIPTION SW25-02-28-W1<br>DRAINAGE AREA 44 000 km <sup>2</sup>  |                     |                                 |                               |                               |                               |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                     | 927                             |                               | 400                           | 854                           | 7                             |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                                   |                     |                                 |                               |                               |                               |                               |                 |               |                            |
| OSNH025     | SOURIS RIVER NEAR LAUDER                                                                                                | M-S                 | 1983-87                         | 1983-87                       | 1983-87                       | 1983-87                       |                               |                 |               |                            |
|             | LATITUDE 48 34 00 N<br>LONGITUDE 100 48 37 W<br>LAND DESCRIPTION SE22-05-28-W1<br>DRAINAGE AREA 51 700 km <sup>2</sup>  |                     |                                 |                               |                               |                               |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                     | 540                             |                               | 280                           | 541                           |                               |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                                   |                     |                                 |                               |                               |                               |                               |                 |               |                            |
| OSNH028     | SOURIS RIVER NEAR HINTO                                                                                                 | M-S                 | 1983-87                         | 1983-87                       | 1983-87                       | 1983-87                       | 1988                          |                 |               |                            |
|             | LAND DESCRIPTION NE21-05-19-W1<br>DRAINAGE AREA km <sup>2</sup>                                                         |                     |                                 |                               |                               |                               |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                     | 501                             |                               | 253                           | 500                           | 1                             |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                                   |                     |                                 |                               |                               |                               |                               |                 |               |                            |
| OSNF012     | SOURIS RIVER NEAR WESTHOPE                                                                                              | M-MS<br>M-MS<br>M-S | 1958-59<br>1974-78<br>1978      | 1978                          | 1978                          | 1978                          | 1974-78<br>1978               |                 |               |                            |
|             | LATITUDE 48 58 47 N<br>LONGITUDE 100 57 28 W<br>LAND DESCRIPTION SW30-184-78-W1<br>DRAINAGE AREA 42 900 km <sup>2</sup> |                     |                                 |                               |                               |                               |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                     | 89                              |                               | 12                            | 27                            |                               |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                                   |                     |                                 |                               |                               |                               |                               |                 |               |                            |
|             |                                                                                                                         |                     | - INTERNATIONAL GAUGING STATION |                               |                               |                               |                               |                 |               |                            |
| OSNE002     | SOUTH BAY DIVERSION CHANNEL AT SOUTH BAY                                                                                | D-S<br>D-MS         | 1977-78<br>1980-81              |                               | 1977-78<br>1980-81            | 1980-81                       |                               |                 |               |                            |
|             | LATITUDE 50 38 15 N<br>LONGITUDE 98 03 08 W<br>DRAINAGE AREA km <sup>2</sup>                                            |                     |                                 |                               |                               |                               |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                     | 108                             |                               | 44                            | 5                             |                               |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1978                                                                                        |                     |                                 |                               |                               |                               |                               |                 |               |                            |
| OSDF017     | SOUTH TOBACCO CREEK NEAR MIAMI                                                                                          | M-S<br>M-S<br>D-S   | 1983-88<br>1987-70<br>1971-77   | 1983-88<br>1987-70<br>1971-77 | 1983-88<br>1987-70<br>1971-77 | 1983-88<br>1987-70<br>1971-77 | 1983-88<br>1987-70<br>1971-77 |                 |               |                            |
|             | LATITUDE 48 22 30 N<br>LONGITUDE 98 14 55 W<br>LAND DESCRIPTION NW25-05-08-W1<br>DRAINAGE AREA 55.8 km <sup>2</sup>     |                     |                                 |                               |                               |                               |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                     | 1330                            |                               | 1078                          | 1188                          | 144                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                                |                     |                                 |                               |                               |                               |                               |                 |               |                            |
| OSTG002     | TAYLOR RIVER NEAR THOMPSON                                                                                              | D-S<br>P-S<br>D-S   | 1971-72<br>1973-78<br>1978      | 1971-72<br>1973-78<br>1978    | 1971-72<br>1973-78<br>1978    | 1971-72<br>1973-78<br>1978    |                               |                 |               |                            |
|             | LATITUDE 55 29 20 N<br>LONGITUDE 98 11 10 W<br>DRAINAGE AREA 883 km <sup>2</sup>                                        |                     |                                 |                               |                               |                               |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                     | 431                             |                               | 113                           | 13                            |                               |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                                |                     |                                 |                               |                               |                               |                               |                 |               |                            |

P - PUMP SAMPLING  
M - MANUAL SAMPLING  
D - DUAL PUMP AND MANUAL SAMPLING

C - CONTINUOUS OPERATION  
MS - MISCELLANEOUS OPERATION  
S - SEASONAL OPERATION

V - VOLUMETRIC MEASUREMENT

SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

## MANITOBA

| STATION NO. | NAME                                                | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             |                     | BED LOAD |                 | BED MATERIAL PARTICLE SIZE |
|-------------|-----------------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|----------|-----------------|----------------------------|
|             |                                                     |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH    | VOLUME OR LOADS | PARTICLE SIZE              |
| OSLJ007     | TURTLE RIVER NEAR LAURIER                           | M-S               | 1988-74    | 1988-74            | 1988-74      | 1988-74     |                     | 1988-74  |                 | 1987-88                    |
|             |                                                     | M-S               | 1978-78    | 1978-78            | 1978-78      | 1978-78     |                     | 1978     |                 | 1978                       |
|             |                                                     | M-S               | 1977-82    | 1977-82            | 1977-82      | 1977-82     |                     | 1977-82  |                 | 1977-79                    |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             | LATITUDE 50 58 40 N                                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 99 31 15 W                                |                   |            |                    |              |             |                     |          |                 |                            |
|             | LAND DESCRIPTION NW22-22-15-W1                      |                   |            |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 838 km <sup>2</sup>                   |                   |            |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                             |                   | 1987       |                    | 855          | 1040        |                     | 141      |                 | 7                          |
|             | REMARK(S) - NATURAL FLOW                            |                   |            |                    |              |             |                     |          |                 |                            |
| OSLJ010     | VALLEY RIVER NEAR DAUPHIN                           | M-S               | 1980-82    | 1980-82            | 1980-82      | 1980-82     |                     | 1981     |                 |                            |
|             |                                                     | M-S               | 1983-84    | 1983-84            | 1983-84      | 1983-84     |                     | 1983     |                 |                            |
|             |                                                     |                   | 1985-87    | 1985-87            | 1985-87      | 1985-87     |                     | 1985-87  |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             | LATITUDE 51 15 45 N                                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 100 00 38 W                               |                   |            |                    |              |             |                     |          |                 |                            |
|             | LAND DESCRIPTION NW25-25-19-W1                      |                   |            |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 2 880 km <sup>2</sup>                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                             |                   | 840        |                    | 278          | 828         |                     | 23       |                 |                            |
|             | REMARK(S) - REGULATED                               |                   |            |                    |              |             |                     |          |                 |                            |
| OSLJ012     | VERMILION RIVER NEAR DAUPHIN                        | M-S               | 1970-82    | 1970-82            | 1970-82      | 1970-82     | 1974                | 1970-82  |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             | LATITUDE 51 11 00 N                                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 100 00 45 W                               |                   |            |                    |              |             |                     |          |                 |                            |
|             | LAND DESCRIPTION SW25-25-19-W1                      |                   |            |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 874 km <sup>2</sup>                   |                   |            |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                             |                   | 831        |                    | 715          | 780         | 88                  | 248      |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1979                    |                   |            |                    |              |             |                     |          |                 |                            |
| OSLJ002     | WHITEMUD RIVER AT WESTBOURNE                        | M-MS              | 1971       |                    | 1971         | 1971        |                     |          |                 |                            |
|             |                                                     | P-S               | 1972-74    | 1972-74            | 1972-74      | 1972-73     |                     | 1972     |                 |                            |
|             |                                                     | P-C               | 1975-78    | 1975-78            | 1975-78      | 1975-78     |                     |          |                 |                            |
|             |                                                     | D-C               | 1979       | 1979               | 1979         | 1979        |                     |          |                 | 1979                       |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             | LATITUDE 50 08 03 N                                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 98 35 00 W                                |                   |            |                    |              |             |                     |          |                 |                            |
|             | LAND DESCRIPTION NW25-13-09-W1                      |                   |            |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 6 386 km <sup>2</sup>                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                             |                   | 882        |                    | 887          | 184         |                     | 3        |                 | 1                          |
|             | REMARK(S) - REGULATED SINCE 1980                    |                   |            |                    |              |             |                     |          |                 |                            |
| OSLJ005     | WHITEMUD RIVER NEAR KEYES                           | M-MS              | 1971       |                    | 1971         | 1971        |                     |          |                 |                            |
|             |                                                     | P-S               | 1972-74    | 1972-74            | 1972-74      | 1972-73     |                     | 1972     |                 |                            |
|             |                                                     | P-C               | 1975-78    | 1975-78            | 1975-78      | 1975-78     |                     | 1977-78  |                 |                            |
|             |                                                     | D-C               | 1979       | 1979               | 1979         | 1979        |                     | 1979     |                 | 1979                       |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             | LATITUDE 50 11 15 N                                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 99 08 10 W                                |                   |            |                    |              |             |                     |          |                 |                            |
|             | LAND DESCRIPTION SW19-14-12-W1                      |                   |            |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 1 850 km <sup>2</sup>                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                             |                   | 847        |                    | 828          | 288         |                     | 5        |                 | 1                          |
|             | REMARK(S) - REGULATED SINCE 1980                    |                   |            |                    |              |             |                     |          |                 |                            |
| OSLJ008     | WHITEMUD RIVER NEAR WOODSIDE                        | M-MS              | 1971       |                    | 1971         |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             | LATITUDE 50 09 16 N                                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 98 41 51 W                                |                   |            |                    |              |             |                     |          |                 |                            |
|             | LAND DESCRIPTION SW08-14-08-W1                      |                   |            |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 6 230 km <sup>2</sup>                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                             |                   | 3          |                    | 3            | 3           |                     |          |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1980                    |                   |            |                    |              |             |                     |          |                 |                            |
| OSLJ801     | WILSON CREEK NEAR MCCREARY                          | M-S               | 1982-88    | 1982-88            |              | 1982-88     |                     | 1982-88  | 1984-88V        | 1988-88                    |
|             |                                                     | M-C               | 1988-70    | 1988-70            |              | 1988-70     |                     | 1988-70  | 1988-70V        | 1988-70                    |
|             |                                                     | D-C               | 1971-79    | 1971-79            | 1978-79      | 1971-79     |                     | 1971-79  | 1971-74V        | 1971-74                    |
|             |                                                     | M-C               | 1980       | 1980               | 1980         | 1980        |                     | 1980     |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             | LATITUDE 50 43 45 N                                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 98 33 15 W                                |                   |            |                    |              |             |                     |          |                 |                            |
|             | LAND DESCRIPTION SE24-20-15-W1                      |                   |            |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 22.5 km <sup>2</sup>                  |                   |            |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                             |                   | 974        |                    | 141          | 1044        |                     | 200      | 11              | 13                         |
|             | REMARK(S) - NATURAL FLOW                            |                   |            |                    |              |             |                     |          |                 |                            |
|             | - DATA CONTRIBUTED BY 380                           |                   |            |                    |              |             |                     |          |                 |                            |
| OSLJ011     | WILSON RIVER NEAR DAUPHIN                           | M-S               | 1980-81    | 1980-81            | 1980-81      | 1980-81     |                     | 1980     |                 |                            |
|             |                                                     | M-S               | 1982       | 1982               | 1982         | 1982        |                     | 1982     |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             | LATITUDE 51 12 30 N                                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 100 10 45 W                               |                   |            |                    |              |             |                     |          |                 |                            |
|             | LAND DESCRIPTION NW38-38-19-W1                      |                   |            |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA 825 km <sup>2</sup>                   |                   |            |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                             |                   | 137        |                    | 88           | 138         |                     | 10       |                 |                            |
|             | REMARK(S) - NATURAL FLOW                            |                   |            |                    |              |             |                     |          |                 |                            |
| OSPF057     | WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT | M-MS              | 1977       |                    |              | 1977        |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             |                                                     |                   |            |                    |              |             |                     |          |                 |                            |
|             | LATITUDE 50 07 10 N                                 |                   |            |                    |              |             |                     |          |                 |                            |
|             | LONGITUDE 98 00 50 W                                |                   |            |                    |              |             |                     |          |                 |                            |
|             | DRAINAGE AREA km <sup>2</sup>                       |                   |            |                    |              |             |                     |          |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                             |                   | 2          |                    |              | 2           |                     |          |                 |                            |
|             | REMARK(S) - REGULATED                               |                   |            |                    |              |             |                     |          |                 |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

## NEW BRUNSWICK

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| STATION NO. | NAME                                                                               | TYPE OF OPERATION                      | CONC. DATA                                                          | LOADS                                                               | SUSPENDED SEDIMENT                                                  |                                                                     | PARTICLE SIZE POINT DEPTH       | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------|-----------------|---------------|----------------------------|
|             |                                                                                    |                                        |                                                                     |                                                                     | DISS. SOLIDS                                                        | WATER TEMP.                                                         |                                 | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 0180003     | BARNABY RIVER BELOW SEMIWAHAN RIVER                                                | M-S                                    | 1975                                                                | 1975                                                                | 1975                                                                | 1975                                                                |                                 |                 |               |                            |
|             | LATITUDE 46 53 19 N<br>LONGITUDE 85 35 44 W<br>DRAINAGE AREA 424 km <sup>2</sup>   |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                        | 35                                                                  |                                                                     | 2                                                                   | 30                                                                  |                                 |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
| 01AJ010     | BECAQUIMEC STREAM AT COLDSTREAM                                                    | D-S<br>M-C<br>D-C<br>M-S               | 1974-75<br>1975<br>1977-78<br>1989                                  | 1974-75<br>1975<br>1977-78<br>1989                                  | 1974-75<br>1975<br>1977-78<br>1989                                  | 1974-75<br>1975<br>1977-78<br>1989                                  | 1974                            |                 |               |                            |
|             | LATITUDE 48 20 27 N<br>LONGITUDE 87 27 58 W<br>DRAINAGE AREA 350 km <sup>2</sup>   |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                        | 301                                                                 |                                                                     | 184                                                                 | 215                                                                 |                                 |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
| 01AF008     | BLACK BROOK NEAR ST-ANDRE-DE-MADAWASKA                                             | M-S<br>P-S<br>D-S                      | 1971<br>1972-73<br>1974                                             | 1971<br>1972-73<br>1974                                             | 1971<br>1972-73<br>1974                                             | 1972-73                                                             | 1972-73                         |                 |               |                            |
|             | LATITUDE 47 05 29 N<br>LONGITUDE 87 43 53 W<br>DRAINAGE AREA 14.2 km <sup>2</sup>  |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                        | 175                                                                 |                                                                     | 155                                                                 | 17                                                                  |                                 |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
| 0185001     | COAL BRANCH RIVER AT BEERSVILLE                                                    | M-S<br>M-C<br>M-S                      | 1984<br>1985-86<br>1987-88                                          | 1984<br>1985-86<br>1987-88                                          | 1984<br>1985-86<br>1987-88                                          | 1984<br>1985-86<br>1987-88                                          |                                 |                 |               |                            |
|             | LATITUDE 46 25 37 N<br>LONGITUDE 85 03 55 W<br>DRAINAGE AREA 185 km <sup>2</sup>   |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                        | 542                                                                 |                                                                     | 34                                                                  | 540                                                                 |                                 |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
| 01AR008     | DENNIS STREAM NEAR ST. STEPHEN                                                     | M-S<br>M-C<br>M-S                      | 1984<br>1985<br>1985-88                                             | 1984<br>1985<br>1985-88                                             | 1984<br>1985<br>1985-88                                             | 1984<br>1985<br>1985-88                                             |                                 |                 |               |                            |
|             | LATITUDE 45 12 35 N<br>LONGITUDE 87 15 45 W<br>DRAINAGE AREA 115 km <sup>2</sup>   |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                        | 489                                                                 |                                                                     | 24                                                                  | 415                                                                 |                                 |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
| 01AF007     | GRANDE RIVIERE AT VIOLETTE BRIDGE                                                  | M-S                                    | 1984-85                                                             | 1984-85                                                             | 1984                                                                | 1984-85                                                             |                                 |                 |               |                            |
|             | LATITUDE 47 14 45 N<br>LONGITUDE 87 55 18 W<br>DRAINAGE AREA 339 km <sup>2</sup>   |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                        | 417                                                                 |                                                                     | 24                                                                  | 345                                                                 |                                 |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
| 01AJ005     | HOLMES BROOK AT HODGE MOUNTAIN                                                     | M-S<br>M-C                             | 1971<br>1972-74                                                     | 1971<br>1972-74                                                     | 1971<br>1972-74                                                     | 1971<br>1972-74                                                     |                                 |                 |               |                            |
|             | LATITUDE 45 38 45 N<br>LONGITUDE 87 38 38 W<br>DRAINAGE AREA 7.77 km <sup>2</sup>  |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                        | 385                                                                 |                                                                     | 351                                                                 | 117                                                                 |                                 |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
| 01AJ007     | HOLMES BROOK NEAR HOLMESVILLE                                                      | M-S<br>M-C                             | 1971<br>1972-74                                                     | 1971<br>1972-74                                                     | 1971<br>1972-74                                                     | 1971<br>1972-74                                                     | 1973                            |                 |               |                            |
|             | LATITUDE 45 34 34 N<br>LONGITUDE 87 38 43 W<br>DRAINAGE AREA 31.3 km <sup>2</sup>  |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                        | 382                                                                 |                                                                     | 353                                                                 | 117                                                                 |                                 |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
| 01AP004     | KENNEBECASIS RIVER AT APONAGUI                                                     | M-S<br>M-C<br>M-C<br>M-C<br>M-C<br>M-S | 1988<br>1987-89<br>1970-71<br>1972-77<br>1978-83<br>1984-87<br>1988 | 1988<br>1987-89<br>1970-71<br>1972-77<br>1978-83<br>1984-87<br>1988 | 1988<br>1987-89<br>1970-71<br>1972-77<br>1978-83<br>1984-87<br>1988 | 1988<br>1987-89<br>1970-71<br>1972-77<br>1978-83<br>1984-87<br>1988 | 1988<br>1970<br>1972-73<br>1978 |                 |               |                            |
|             | LATITUDE 45 42 07 N<br>LONGITUDE 85 38 05 W<br>DRAINAGE AREA 1 100 km <sup>2</sup> |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                        | 3270                                                                |                                                                     | 1289                                                                | 3089                                                                |                                 |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                        |                                                                     |                                                                     |                                                                     |                                                                     |                                 |                 |               |                            |

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## NEW BRUNSWICK

| STATION NO. | NAME                                             | TYPE OF OPERATION | CONC. DATA | LOADS   | SUSPENDED SEDIMENT |             |                           | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------------|-------------------|------------|---------|--------------------|-------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                                  |                   |            |         | DISS. SOLIDS       | WATER TEMP. | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 018P001     | LITTLE SOUTHWEST MIRAMICHI RIVER AT LYTTLETON    | M-S               | 1975       | 1975    | 1975               | 1975        |                           |                 |               |                            |
|             | LATITUDE 45 55 05 N                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 66 54 25 W                             |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 1 340 km <sup>2</sup>              |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 42         |         | 20                 | 42          |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                         |                   |            |         |                    |             |                           |                 |               |                            |
| 01AK005     | MIDDLE BRANCH NASHWAAKSIS STREAM NEAR ROYAL ROAD | M-S               | 1985       | 1985    | 1985               | 1985        |                           |                 |               |                            |
|             | LATITUDE 45 02 05 N                              | M-C               | 1968-69    | 1968-69 | 1967-69            | 1968-69     |                           | 1967-69 V       |               | 1967-69                    |
|             | LONGITUDE 66 42 05 W                             | M-C               | 1971-72    | 1970-72 | 1970-72            | 1970-72     |                           | 1970 V          |               | 1970-71                    |
|             | DRAINAGE AREA 28.9 km <sup>2</sup>               | M-C               | 1973-75    | 1973-75 | 1973-75            | 1973-75     |                           | 1973-75 V       |               | 1973-74                    |
|             | TOTAL NUMBER OF SAMPLES                          | M-C               | 1238       |         | 542                | 1043        |                           | 5               |               | 11                         |
|             | REMARK(S) - NATURAL FLOW                         |                   |            |         |                    |             |                           |                 |               |                            |
| 01AL004     | NARROWS MOUNTAIN BROOK NEAR NARROWS MOUNTAIN     | D-S               | 1974-75    | 1974-75 | 1974-75            | 1974-75     |                           |                 |               |                            |
|             | LATITUDE 45 18 35 N                              | M-S               | 1977-78    | 1977-78 | 1977               | 1977-78     |                           |                 |               |                            |
|             | LONGITUDE 67 01 17 W                             | M-MS              | 1980-87    | 1980-87 | 1984               | 1980-87     |                           |                 |               |                            |
|             | DRAINAGE AREA 3.88 km <sup>2</sup>               |                   | 1988       |         |                    | 1988        |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 481        |         | 21                 | 280         |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                         |                   |            |         |                    |             |                           |                 |               |                            |
| 018U001     | NORTHWEST MIRAMICHI RIVER AT TROUT BROOK         | M-S               | 1975       | 1975    | 1975               | 1975        |                           |                 |               |                            |
|             | LATITUDE 47 05 41 N                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 66 50 14 W                             |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 948 km <sup>2</sup>                |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 34         |         | 17                 | 33          |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                         |                   |            |         |                    |             |                           |                 |               |                            |
| 018U004     | PALMERS CREEK NEAR DORCHESTER                    | M-S               | 1987       | 1987    | 1987               | 1987        |                           |                 |               |                            |
|             | LATITUDE 45 53 14 N                              | M-C               | 1988-74    | 1988-74 | 1988-74            | 1988-74     |                           |                 |               |                            |
|             | LONGITUDE 64 30 58 W                             |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 34.2 km <sup>2</sup>               |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 827        |         | 527                | 394         |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                         |                   |            |         |                    |             |                           |                 |               |                            |
| 018U002     | PETITCODIAC RIVER NEAR PETITCODIAC               | M-S               | 1987       | 1987    | 1987               | 1987        |                           |                 |               |                            |
|             | LATITUDE 45 55 37 N                              | M-C               | 1988-72    | 1988-72 | 1988-72            | 1988-71     |                           |                 |               |                            |
|             | LONGITUDE 65 10 13 W                             | M-C               | 1973-83    | 1973-83 | 1973-76            | 1973-83     |                           |                 |               |                            |
|             | DRAINAGE AREA 391 km <sup>2</sup>                |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 1878       |         | 983                | 1286        |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                         |                   |            |         |                    |             |                           |                 |               |                            |
| 018U002     | RENOUS RIVER AT MCCRAW BROOK                     | M-S               | 1975       | 1975    | 1975               | 1975        |                           |                 |               |                            |
|             | LATITUDE 45 48 17 N                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 66 05 53 W                             |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 511 km <sup>2</sup>                |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 38         |         | 18                 | 37          |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                         |                   |            |         |                    |             |                           |                 |               |                            |
| 01AK004     | SAINT JOHN RIVER BELOW NACTAQUAC                 | M-S               | 1988-88    | 1988-88 | 1987-88            | 1988-88     |                           |                 |               |                            |
|             | LATITUDE 45 57 44 N                              |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 66 49 51 W                             |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 39 800 km <sup>2</sup>             |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 154        |         | 58                 | 123         |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                            |                   |            |         |                    |             |                           |                 |               |                            |
| 018U001     | SOUTHWEST MIRAMICHI RIVER AT BLACKVILLE          | M-S               | 1975       | 1975    | 1975               | 1975        |                           |                 |               |                            |
|             | LATITUDE 45 44 10 N                              | M-S               | 1984       | 1984    | 1984               | 1984        |                           |                 |               |                            |
|             | LONGITUDE 65 48 35 W                             | M-C               | 1985       | 1985    |                    | 1985        |                           |                 |               |                            |
|             | DRAINAGE AREA 5 050 km <sup>2</sup>              | M-S               | 1988-88    | 1988-88 |                    | 1988-88     |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                          |                   | 418        |         | 50                 | 403         |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                         |                   |            |         |                    |             |                           |                 |               |                            |

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V - VOLUMETRIC MEASUREMENT

SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

## NEWFOUNDLAND

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| STATION NO. | NAME                                      | TYPE OF OPERATION                | CONC. DATA                                    | LOADS                                         | SUSPENDED SEDIMENT                            |                                               |                           | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------------|----------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                           |                                  |                                               |                                               | DISS. SOLIDS                                  | WATER TEMP.                                   | PARTICLE SIZE POINT DEPTH | VOLUME ON LOADS | PARTICLE SIZE |                            |
| 0300001     | CHURCHILL RIVER ABOVE UPPER MUSKRAT FALLS | M-MS                             | 1987                                          |                                               | 1987                                          |                                               |                           |                 |               |                            |
|             | LATITUDE 53 14 52 N                       |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | LONGITUDE 50 47 21 W                      |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | DRAINAGE AREA 82 800 km <sup>2</sup>      |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                                  | 1                                             |                                               | 1                                             |                                               |                           |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1971          |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
| 02VJ001     | HARRYS RIVER BELOW HIGHWAY BRIDGE         | M-S<br>M-C<br>D-C<br>M-S         | 1978<br>1980-88<br>1987<br>1988               | 1978<br>1980-88<br>1987<br>1988               | 1978<br>1980-88<br>1987<br>1988               | 1978<br>1980-88<br>1987<br>1988               |                           |                 |               |                            |
|             | LATITUDE 48 34 31 N                       |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | LONGITUDE 54 21 48 W                      |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | DRAINAGE AREA 540 km <sup>2</sup>         |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                                  | 735                                           |                                               | 39                                            |                                               | 881                       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                  |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
| 02IA002     | HIGHLANDS RIVER AT TRANS-CANADA HIGHWAY   | M-MS<br>M-C<br>M-MS              | 1981<br>1982-88<br>1987-88                    | 1982-88<br>1982-88<br>1987-88                 | 1984-88<br>1984-88<br>1987-88                 | 1981<br>1982-88<br>1987-88                    |                           |                 |               |                            |
|             | LATITUDE 48 08 33 N                       |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | LONGITUDE 58 47 04 W                      |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | DRAINAGE AREA 72.0 km <sup>2</sup>        |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                                  | 413                                           |                                               | 24                                            |                                               | 413                       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                  |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
| 02YD002     | NORTHEAST BROOK NEAR RODDICKTON           | M-S<br>M-C<br>M-S                | 1981<br>1982-87<br>1988                       | 1981<br>1982-87<br>1988                       | 1984-87<br>1984-87<br>1988                    | 1981<br>1982-87<br>1988                       |                           |                 |               |                            |
|             | LATITUDE 50 58 44 N                       |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | LONGITUDE 56 08 46 W                      |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | DRAINAGE AREA 200 km <sup>2</sup>         |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                                  | 471                                           |                                               | 32                                            |                                               | 489                       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                  |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
| 02ZM008     | NORTHEAST POND RIVER AT NORTHEAST POND    | M-S<br>M-C                       | 1970<br>1971-78                               | 1970<br>1971-78                               | 1970<br>1971-78                               | 1970<br>1971-78                               |                           |                 |               |                            |
|             | LATITUDE 47 38 08 N                       |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | LONGITUDE 52 80 14 W                      |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | DRAINAGE AREA 3.90 km <sup>2</sup>        |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                                  | 841                                           |                                               | 484                                           |                                               | 829                       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                  |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
| 02IW008     | WATERFORD RIVER AT KILBRIDE               | M-S<br>M-C<br>D-C<br>M-C<br>M-MS | 1978<br>1979-81<br>1982-84<br>1985-87<br>1988 | 1978<br>1979-81<br>1982-84<br>1985-87<br>1988 | 1978<br>1979-81<br>1982-84<br>1985-87<br>1988 | 1978<br>1979-81<br>1982-84<br>1985-87<br>1988 |                           |                 |               |                            |
|             | LATITUDE 47 31 45 N                       |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | LONGITUDE 52 44 43 W                      |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | DRAINAGE AREA 52.7 km <sup>2</sup>        |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                                  | 737                                           |                                               | 28                                            |                                               | 422                       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                  |                                  |                                               |                                               |                                               |                                               |                           |                 |               |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

## NORTHWEST TERRITORIES

| STATION NO. | NAME                                     | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD            |         | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|---------|----------------------------|
|             |                                          |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH   |                            |
| 10VCO11     | ABBOTT RIVER ABOVE MIDSHIPMAN BAY        | M-MS              | 1975       |                    |              |             |                     |         |                            |
|             | LATITUDE 75 14 00 N                      |                   |            |                    |              |             |                     |         |                            |
|             | LONGITUDE 95 41 00 W                     |                   |            |                    |              |             |                     |         |                            |
|             | DRAINAGE AREA 181 km <sup>2</sup>        |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   |            |                    |              |             |                     |         |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |         |                            |
| 10VCO01     | ALLEN RIVER NEAR THE MOUTH               | M-MS              | 1975       |                    |              |             |                     |         |                            |
|             | LATITUDE 74 50 48 N                      |                   |            |                    |              |             |                     |         |                            |
|             | LONGITUDE 95 03 31 W                     |                   |            |                    |              |             |                     |         |                            |
|             | DRAINAGE AREA 448 km <sup>2</sup>        |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   |            |                    |              |             |                     |         |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |         |                            |
| 10LA002     | ARCTIC RED RIVER NEAR THE MOUTH          | M-MS              | 1972       |                    |              | 1972        |                     | 1972    | 1972                       |
|             | LATITUDE 68 47 18 N                      | M-S               | 1973-74    | 1973-74            |              | 1973-74     |                     | 1973-74 | 1973-74                    |
|             | LONGITUDE 133 04 48 W                    | M-MS              | 1975       |                    |              | 1975        |                     | 1975    | 1975                       |
|             | DRAINAGE AREA 15 500 km <sup>2</sup>     |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 57         |                    | 45           |             | 15                  |         | 7                          |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |         |                            |
| 10TH001     | ASTON RIVER ABOVE ASTON BAY              | M-MS              | 1975       |                    |              |             |                     |         |                            |
|             | LATITUDE 73 30 00 N                      |                   |            |                    |              |             |                     |         |                            |
|             | LONGITUDE 94 04 00 W                     |                   |            |                    |              |             |                     |         |                            |
|             | DRAINAGE AREA 981 km <sup>2</sup>        |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   |            |                    |              |             |                     |         |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |         |                            |
| 10RC001     | BACK RIVER ABOVE HERMANN RIVER           | M-MS              | 1972       |                    | 1972         | 1972        |                     |         |                            |
|             | LATITUDE 68 05 10 N                      |                   |            |                    |              |             |                     |         |                            |
|             | LONGITUDE 95 30 15 W                     |                   |            |                    |              |             |                     |         |                            |
|             | DRAINAGE AREA 93 500 km <sup>2</sup>     |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 2          |                    | 2            | 2           |                     |         |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |         |                            |
| 07PA001     | BUFFALO RIVER AT HIGHWAY NO. 5           | M-S               | 1973-74    | 1973-74            |              | 1973-74     |                     | 1973    |                            |
|             | LATITUDE 60 42 44 N                      |                   |            |                    |              |             |                     |         |                            |
|             | LONGITUDE 114 54 11 W                    |                   |            |                    |              |             |                     |         |                            |
|             | DRAINAGE AREA 16 500 km <sup>2</sup>     |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 28         |                    | 25           |             | 2                   |         |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |         |                            |
| 10VC003     | CALEDONIAN RIVER ABOVE BRACEBRIDGE INLET | M-MS              | 1975       |                    |              |             |                     |         |                            |
|             | LATITUDE 75 37 00 N                      |                   |            |                    |              |             |                     |         |                            |
|             | LONGITUDE 95 35 00 W                     |                   |            |                    |              |             |                     |         |                            |
|             | DRAINAGE AREA 246 km <sup>2</sup>        |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   |            |                    |              |             |                     |         |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |         |                            |
| 10LC004     | CAMPBELL CREEK NEAR INUVIK               | M-S               | 1973-74    | 1973-74            |              | 1973-74     |                     |         | 1973                       |
|             | LATITUDE 68 15 04 N                      |                   |            |                    |              |             |                     |         |                            |
|             | LONGITUDE 133 15 47 W                    |                   |            |                    |              |             |                     |         |                            |
|             | DRAINAGE AREA km <sup>2</sup>            |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 41         |                    | 40           |             |                     |         | 1                          |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |         |                            |
| 10KS001     | CARCAJOU RIVER BELOW IMPERIAL RIVER      | M-MS              | 1987-88    |                    | 1987-88      | 1987-88     |                     | 1987-88 |                            |
|             | LATITUDE 65 17 52 N                      |                   |            |                    |              |             |                     |         |                            |
|             | LONGITUDE 127 41 05 W                    |                   |            |                    |              |             |                     |         |                            |
|             | DRAINAGE AREA 7 400 km <sup>2</sup>      |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                  |                   | 6          |                    | 6            | 6           |                     | 2       |                            |
|             | REMARK(S) - NATURAL FLOW                 |                   |            |                    |              |             |                     |         |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES



| STATION NO. | NAME                                                                                 | TYPE OF OPERATION          | CONC. DATA                      | LOADS   | SUSPENDED SEDIMENT         |                               | PARTICLE SIZE POINT | PARTICLE SIZE DEPTH           | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------------------------------------------------|----------------------------|---------------------------------|---------|----------------------------|-------------------------------|---------------------|-------------------------------|-----------------|---------------|----------------------------|
|             |                                                                                      |                            |                                 |         | DISS. SOLIDS               | WATER TEMP.                   |                     |                               | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 10PC004     | COPPERHINE RIVER ABOVE COPPER CREEK                                                  | M-MS                       | 1987                            |         | 1987                       | 1987                          |                     | 1987                          |                 |               |                            |
|             | LATITUDE 87 13 41 N<br>LONGITUDE 118 53 17 W<br>DRAINAGE AREA 48 800 km <sup>2</sup> |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                            | 4                               |         | 4                          | 3                             |                     |                               |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
| 10TM002     | CUNNINGHAM RIVER ABOVE CUNNINGHAM INLET                                              | M-MS                       | 1975                            |         |                            |                               |                     |                               |                 |               |                            |
|             | LATITUDE 73 51 00 N<br>LONGITUDE 93 28 00 W<br>DRAINAGE AREA 1 810 km <sup>2</sup>   |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
| 05KCO03     | DUBAWAT RIVER AT OUTLET OF MARJORIE LAKE                                             | M-MS                       | 1972                            |         | 1972                       | 1972                          |                     |                               |                 |               |                            |
|             | LATITUDE 84 13 52 N<br>LONGITUDE 89 28 37 W<br>DRAINAGE AREA 87 300 km <sup>2</sup>  |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                            | 2                               |         | 2                          | 2                             |                     |                               |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
| 10VCO10     | ELEANOR RIVER ABOVE ELEANOR LAKE                                                     | M-MS                       | 1975                            |         |                            |                               |                     |                               |                 |               |                            |
|             | LATITUDE 75 20 00 N<br>LONGITUDE 84 13 00 W<br>DRAINAGE AREA 686 km <sup>2</sup>     |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
| 10VHO01     | FALLS RIVER NEAR D'IBERVILLE FORD                                                    | M-S                        | 1975                            | 1975    |                            | 1975                          |                     |                               |                 |               |                            |
|             | LATITUDE 80 38 08 N<br>LONGITUDE 79 24 40 W<br>DRAINAGE AREA 32.8 km <sup>2</sup>    |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
| 10EAO03     | FLAT RIVER NEAR THE MOUTH                                                            | M-MS<br>M-MS<br>M-MS       | 1978-84<br>1985-87<br>1986      |         | 1978-84<br>1985-87<br>1986 | 1978-84<br>1985-87<br>1986    |                     | 1978<br>1985-88<br>1988       |                 |               |                            |
|             | LATITUDE 81 31 52 N<br>LONGITUDE 125 24 28 W<br>DRAINAGE AREA 8 880 km <sup>2</sup>  |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                            | 48                              |         | 39                         | 43                            |                     | 5                             |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
| 10CC002     | HARRIS RIVER NEAR THE MOUTH                                                          | M-MS<br>M-C<br>M-MS<br>M-S | 1972<br>1973-74<br>1975<br>1978 | 1973-74 |                            | 1973-74<br>1975<br>1978       |                     |                               |                 |               |                            |
|             | LATITUDE 51 52 41 N<br>LONGITUDE 121 17 28 W<br>DRAINAGE AREA 701 km <sup>2</sup>    |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                            | 124                             |         |                            | 108                           |                     |                               |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
| 070B001     | HAY RIVER NEAR HAY RIVER                                                             | M-S<br>M-MS<br>M-MS        | 1972-79<br>1977-84<br>1985-88   | 1972-75 |                            | 1978-84<br>1977-84<br>1985-88 |                     | 1972-76<br>1981-83<br>1985-88 |                 |               |                            |
|             | LATITUDE 80 44 42 N<br>LONGITUDE 115 51 38 W<br>DRAINAGE AREA 47 900 km <sup>2</sup> |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                            | 318                             |         | 83                         | 308                           |                     | 24                            |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
| 10SB001     | HAYES RIVER ABOVE CHANTREY INLET                                                     | M-MS<br>M-MS               | 1972<br>1987                    |         | 1972<br>1987               | 1972<br>1987                  |                     | 1987                          |                 |               |                            |
|             | LATITUDE 87 32 00 N<br>LONGITUDE 94 08 53 W<br>DRAINAGE AREA 18 100 km <sup>2</sup>  |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                            | 5                               |         | 5                          | 5                             |                     | 2                             |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                            |                                 |         |                            |                               |                     |                               |                 |               |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                     | TYPE OF OPERATION         | CONC. DATA                         | LOADS   | SUSPENDED SEDIMENT |                                    |                                    | SED. LOAD       |               | 97% MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------------------------|---------------------------|------------------------------------|---------|--------------------|------------------------------------|------------------------------------|-----------------|---------------|----------------------------|
|             |                                                          |                           |                                    |         | DISS. SOLIDS       | WATER TEMP.                        | PARTICLE SIZE POINT DEPTH          | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 07NC001     | JEAN RIVER BELOW SLAVE RIVER                             | M-MS                      | 1976-80                            |         | 1976-80            | 1976-80                            |                                    |                 |               |                            |
|             | LATITUDE 51 14 50 N                                      |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | LONGITUDE 113 15 50 W                                    |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | DRAINAGE AREA 1 km <sup>2</sup>                          |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                  |                           | 70                                 |         | 8                  | 8                                  |                                    |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1988                         |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
| 07UC001     | KAKISA RIVER AT OUTLET OF KAKISA LAKE                    | M-MS<br>M-S               | 1973<br>1973-74                    | 1973-74 |                    | 1973                               |                                    |                 |               |                            |
|             | LATITUDE 60 59 20 N                                      |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | LONGITUDE 117 25 15 W                                    |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | DRAINAGE AREA 15 800 km <sup>2</sup>                     |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                  |                           | 30                                 |         |                    | 14                                 |                                    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                 |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
| 08LC001     | KAZAN RIVER ABOVE KAZAN FALLS                            | M-MS                      | 1972                               |         | 1972               | 1972                               |                                    |                 |               |                            |
|             | LATITUDE 53 39 10 N                                      |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | LONGITUDE 85 51 15 W                                     |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | DRAINAGE AREA 70 000 km <sup>2</sup>                     |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                  |                           | 2                                  |         | 2                  | 2                                  |                                    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                 |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
| 08LA001     | KAZAN RIVER AT OUTLET OF JENNADAI LAKE                   | M-MS                      | 1972                               |         | 1972               | 1972                               |                                    |                 |               |                            |
|             | LATITUDE 51 15 13 N                                      |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | LONGITUDE 100 55 25 W                                    |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | DRAINAGE AREA 31 600 km <sup>2</sup>                     |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                  |                           | 2                                  |         | 2                  | 2                                  |                                    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                 |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
| 10TN001     | LANC RIVER ABOVE PRINCE REGENT INLET                     | M-MS                      | 1976                               |         |                    |                                    |                                    |                 |               |                            |
|             | LATITUDE 72 17 00 N                                      |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | LONGITUDE 94 12 00 W                                     |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | DRAINAGE AREA 134 km <sup>2</sup>                        |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                  |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                 |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
| 10ED002     | LIARD RIVER NEAR THE MOUTH                               | M-MS<br>M-S<br>M-S<br>M-S | 1972<br>1973-74<br>1975<br>1976-80 | 1973-74 |                    | 1972<br>1973-74<br>1976<br>1976-80 | 1972<br>1973-74<br>1976<br>1976-80 |                 |               | 1972-74                    |
|             | LATITUDE 51 44 50 N                                      |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | LONGITUDE 121 13 25 W                                    |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | DRAINAGE AREA 377 000 km <sup>2</sup>                    |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                  |                           | 402                                |         | 190                | 390                                | 87                                 |                 |               | 2                          |
|             | REMARK(S) - NATURAL FLOW                                 |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
| 10SA002     | LORD LINDSAY RIVER ABOVE SANAGAK LAKE                    | M-MS                      | 1976                               |         |                    |                                    |                                    |                 |               |                            |
|             | LATITUDE 70 13 00 N                                      |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | LONGITUDE 93 57 00 W                                     |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | DRAINAGE AREA 1 440 km <sup>2</sup>                      |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                  |                           | 1                                  |         |                    |                                    |                                    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                 |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
| 10SA003     | LORD LINDSAY RIVER ABOVE WESTERN TRIBUTARY               | M-MS                      | 1976                               |         |                    |                                    |                                    |                 |               |                            |
|             | LATITUDE 70 39 00 N                                      |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | LONGITUDE 94 35 00 W                                     |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | DRAINAGE AREA 717 km <sup>2</sup>                        |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                  |                           | 1                                  |         |                    |                                    |                                    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                 |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
| 10MC005     | MACKENZIE RIVER (AKLAVIK CHANNEL) ABOVE SCHOGNER CHANNEL | M-S<br>M-MS               | 1974<br>1976                       | 1974    |                    | 1974<br>1976                       | 1974<br>1976                       |                 |               | 1974<br>1976               |
|             | LATITUDE 66 15 10 N                                      |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | LONGITUDE 130 45 00 W                                    |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | DRAINAGE AREA 1 km <sup>2</sup>                          |                           |                                    |         |                    |                                    |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                  |                           | 15                                 |         | 15                 | 6                                  |                                    |                 |               | 2                          |
|             | REMARK(S) - REGULATED SINCE 1988                         |                           |                                    |         |                    |                                    |                                    |                 |               |                            |

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| STATION NO. | NAME                                                                                    | TYPE OF OPERATION          | CONC. DATA                         | SUSPENDED SEDIMENT |              |                                    | BED LOAD            |                                    | BED MATERIAL PARTICLE SIZE |
|-------------|-----------------------------------------------------------------------------------------|----------------------------|------------------------------------|--------------------|--------------|------------------------------------|---------------------|------------------------------------|----------------------------|
|             |                                                                                         |                            |                                    | LOADS              | DISS. SOLIDS | WATER TEMP.                        | PARTICLE SIZE POINT | DEPTH                              |                            |
| 10LC002     | MACKENZIE RIVER (EAST CHANNEL) AT INUVIK                                                | M-S<br>M-MS                | 1974-75<br>1977                    | 1974-75            |              | 1974-75<br>1977                    |                     | 1974-75                            | 1974-75                    |
|             | LATITUDE 68 23 33 N<br>LONGITUDE 133 48 48 W<br>DRAINAGE AREA km <sup>2</sup>           |                            |                                    |                    |              |                                    |                     |                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                            | 67                                 |                    | 47           |                                    | 9                   |                                    | 2                          |
|             | REMARK(S) - REGULATED SINCE 1968                                                        |                            |                                    |                    |              |                                    |                     |                                    |                            |
| 10LC008     | MACKENZIE RIVER (KALINEK CHANNEL) ABOVE GNIAK CHANNEL                                   | M-S<br>M-MS                | 1974<br>1975                       | 1974               |              | 1974<br>1975                       |                     | 1974                               | 1975                       |
|             | LATITUDE 68 23 00 N<br>LONGITUDE 133 59 00 W<br>DRAINAGE AREA km <sup>2</sup>           |                            |                                    |                    |              |                                    |                     |                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                            | 12                                 |                    | 11           |                                    | 4                   |                                    | 1                          |
|             | REMARK(S) - REGULATED SINCE 1968                                                        |                            |                                    |                    |              |                                    |                     |                                    |                            |
| 10LC008     | MACKENZIE RIVER (MIDDLE CHANNEL) ABOVE NADOKIAK CHANNEL                                 | M-S<br>M-MS                | 1974<br>1975                       | 1974               |              | 1974<br>1975                       |                     | 1974<br>1975                       | 1974<br>1975               |
|             | LATITUDE 68 26 00 N<br>LONGITUDE 134 06 30 W<br>DRAINAGE AREA km <sup>2</sup>           |                            |                                    |                    |              |                                    |                     |                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                            | 16                                 |                    | 13           |                                    | 6                   |                                    | 2                          |
|             | REMARK(S) - REGULATED SINCE 1968                                                        |                            |                                    |                    |              |                                    |                     |                                    |                            |
| 10LC012     | MACKENZIE RIVER (MIDDLE CHANNEL) AT TUNUNUK POINT                                       | M-MS                       | 1967-68                            |                    | 1967-68      | 1967-68                            |                     | 1967-68                            |                            |
|             | LATITUDE 68 00 57 N<br>LONGITUDE 134 41 32 W<br>DRAINAGE AREA km <sup>2</sup>           |                            |                                    |                    |              |                                    |                     |                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                            | 5                                  |                    | 5            | 5                                  |                     |                                    |                            |
|             | REMARK(S) - REGULATED SINCE 1968                                                        |                            |                                    |                    |              |                                    |                     |                                    |                            |
| 10NC018     | MACKENZIE RIVER (OUPFLOW MIDDLE CHANNEL) BELOW LABLEY ISLAND                            | M-MS                       | 1967-68                            |                    | 1967-68      | 1967-68                            |                     | 1968                               |                            |
|             | LATITUDE 68 05 07 N<br>LONGITUDE 135 07 20 W<br>DRAINAGE AREA km <sup>2</sup>           |                            |                                    |                    |              |                                    |                     |                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                            | 20                                 |                    | 20           | 20                                 |                     | 20                                 |                            |
|             | REMARK(S) - REGULATED SINCE 1968                                                        |                            |                                    |                    |              |                                    |                     |                                    |                            |
| 10NC003     | MACKENZIE RIVER (PEEL CHANNEL) ABOVE AKLAVIK                                            | M-S<br>M-MS                | 1974<br>1975                       | 1974               |              | 1974<br>1975                       |                     | 1974<br>1975                       | 1975                       |
|             | LATITUDE 68 12 30 N<br>LONGITUDE 135 08 30 W<br>DRAINAGE AREA km <sup>2</sup>           |                            |                                    |                    |              |                                    |                     |                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                            | 16                                 |                    | 15           |                                    | 5                   |                                    | 1                          |
|             | REMARK(S) - REGULATED SINCE 1968                                                        |                            |                                    |                    |              |                                    |                     |                                    |                            |
| 10NC012     | MACKENZIE RIVER (REINDEER CHANNEL) BELOW LOUIE CHANNEL                                  | M-MS                       | 1967-68                            |                    | 1967-68      | 1967-68                            |                     | 1968                               |                            |
|             | LATITUDE 68 52 29 N<br>LONGITUDE 134 59 00 W<br>DRAINAGE AREA km <sup>2</sup>           |                            |                                    |                    |              |                                    |                     |                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                            | 15                                 |                    | 15           | 15                                 |                     | 15                                 |                            |
|             | REMARK(S) - REGULATED SINCE 1968                                                        |                            |                                    |                    |              |                                    |                     |                                    |                            |
| 10NC004     | MACKENZIE RIVER (WEST CHANNEL) BELOW AKLAVIK CHANNEL                                    | M-S<br>M-MS                | 1974<br>1975                       | 1974               |              | 1974<br>1975                       |                     | 1974<br>1975                       | 1975                       |
|             | LATITUDE 68 15 30 N<br>LONGITUDE 135 03 00 W<br>DRAINAGE AREA km <sup>2</sup>           |                            |                                    |                    |              |                                    |                     |                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                            | 12                                 |                    | 12           |                                    | 4                   |                                    | 1                          |
|             | REMARK(S) - REGULATED SINCE 1968                                                        |                            |                                    |                    |              |                                    |                     |                                    |                            |
| 10LA003     | MACKENZIE RIVER ABOVE ARCTIC RED RIVER                                                  | M-MS<br>M-S<br>M-MS<br>M-S | 1972<br>1973-74<br>1975<br>1980-84 | 1973-74            |              | 1972<br>1973-74<br>1975<br>1980-84 |                     | 1972<br>1973-74<br>1975<br>1980-84 | 1972<br>1973-74<br>1975    |
|             | LATITUDE 67 31 30 N<br>LONGITUDE 133 33 30 W<br>DRAINAGE AREA 1 980 000 km <sup>2</sup> |                            |                                    |                    |              |                                    |                     |                                    |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                            | 200                                |                    | 118          | 108                                |                     | 38                                 | 4                          |
|             | REMARK(S) - REGULATED SINCE 1968                                                        |                            |                                    |                    |              |                                    |                     |                                    |                            |

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| STATION NO. | NAME                                                                                    | TYPE OF OPERATION                        | CONC. DATA                                            | LOADS   | SUSPENDED SEDIMENT                                    |                                                       | PARTICLE SIZE POINT | PARTICLE SIZE DEPTH                                   | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|-----------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------|---------|-------------------------------------------------------|-------------------------------------------------------|---------------------|-------------------------------------------------------|-----------------|---------------|----------------------------|
|             |                                                                                         |                                          |                                                       |         | DISS. SOLIDS                                          | WATER TEMP.                                           |                     |                                                       | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 106C004     | MACKENZIE RIVER ABOVE LIARD RIVER                                                       | M-S<br>M-MS                              | 1972-74<br>1975                                       |         |                                                       | 1973-74<br>1975                                       |                     |                                                       |                 |               | 1974                       |
|             | LATITUDE 81 52 00 N<br>LONGITUDE 121 20 00 W<br>DRAINAGE AREA km <sup>2</sup>           |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                                          | 83                                                    |         |                                                       | 57                                                    |                     |                                                       |                 |               | 1                          |
|             | REMARK(S) - REGULATED SINCE 1966                                                        |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
| 101A005     | MACKENZIE RIVER AT ARCTIC RED RIVER                                                     | M-S                                      | 1985                                                  |         | 1985                                                  | 1985                                                  |                     | 1985                                                  |                 |               |                            |
|             | LATITUDE 87 27 30 N<br>LONGITUDE 133 44 41 W<br>DRAINAGE AREA km <sup>2</sup>           |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1966                                                        |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
| 101C014     | MACKENZIE RIVER AT ARCTIC RED RIVER                                                     | M-MS<br>M-S<br>M-MS<br>M-S<br>M-S<br>M-S | 1972<br>1973-74<br>1975<br>1980-84<br>1985<br>1985-88 | 1973-74 | 1972<br>1973-74<br>1975<br>1980-84<br>1985<br>1985-88 | 1972<br>1973-74<br>1975<br>1980-84<br>1985<br>1985-88 |                     | 1972<br>1973-74<br>1975<br>1980-84<br>1985<br>1985-88 |                 |               | 1972<br>1973-74<br>1975    |
|             | LATITUDE 87 27 30 N<br>LONGITUDE 133 44 41 W<br>DRAINAGE AREA 1 550 000 km <sup>2</sup> |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                                          | 351                                                   |         | 332                                                   | 351                                                   |                     | 138                                                   |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1966                                                        |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
| 10KAG01     | MACKENZIE RIVER AT NORMAN WELLS                                                         | M-MS                                     | 1973                                                  |         |                                                       | 1973                                                  |                     | 1973                                                  |                 |               |                            |
|             | LATITUDE 65 16 21 N<br>LONGITUDE 126 53 00 W<br>DRAINAGE AREA 1 570 000 km <sup>2</sup> |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                                          | 7                                                     |         |                                                       | 8                                                     |                     | 8                                                     |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1966                                                        |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
| 10VC008     | MARSHALL RIVER ABOVE ASSISTANCE BAY                                                     | M-MS                                     | 1975                                                  |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | LATITUDE 74 41 00 N<br>LONGITUDE 94 12 00 W<br>DRAINAGE AREA 108 km <sup>2</sup>        |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
| 106C003     | MARTIN RIVER AT HIGHWAY NO. 1                                                           | M-S<br>M-MS<br>M-S                       | 1973-74<br>1975<br>1975                               | 1973-74 | 1973-74<br>1975<br>1975                               | 1973-74<br>1975<br>1975                               |                     | 1973-74                                               |                 |               |                            |
|             | LATITUDE 81 53 50 N<br>LONGITUDE 121 28 27 W<br>DRAINAGE AREA 3 050 km <sup>2</sup>     |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                                          | 107                                                   |         |                                                       | 98                                                    |                     | 3                                                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
| 10KCO01     | MOUNTAIN RIVER BELOW CAMBRIAN CREEK                                                     | M-MS                                     | 1987-88                                               |         | 1987-88                                               | 1987-88                                               |                     | 1987-88                                               |                 |               |                            |
|             | LATITUDE 65 13 38 N<br>LONGITUDE 126 34 00 W<br>DRAINAGE AREA 11 100 km <sup>2</sup>    |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                                          | 3                                                     |         | 3                                                     | 2                                                     |                     | 1                                                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
| 07NC002     | HAGLE CHANNEL BELOW SLAVE RIVER                                                         | M-MS                                     | 1978-80                                               |         | 1979-80                                               | 1978-80                                               |                     |                                                       |                 |               |                            |
|             | LATITUDE 61 15 10 N<br>LONGITUDE 113 30 30 W<br>DRAINAGE AREA km <sup>2</sup>           |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                                          | 7                                                     |         | 5                                                     | 8                                                     |                     |                                                       |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1966                                                        |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
| 10HC002     | PEEL RIVER ABOVE FORT MCPHERSON                                                         | M-MS<br>M-S<br>M-MS<br>M-S<br>M-S        | 1972<br>1973<br>1974<br>1975-78<br>1988               | 1973    | 1972<br>1973<br>1974<br>1975-78<br>1988               | 1972<br>1973<br>1974<br>1975-78<br>1988               |                     | 1972<br>1973<br>1974<br>1975-78<br>1988               |                 |               | 1972<br>1973<br>1974       |
|             | LATITUDE 67 14 10 N<br>LONGITUDE 134 54 28 W<br>DRAINAGE AREA 70 800 km <sup>2</sup>    |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                 |                                          | 187                                                   |         | 80                                                    | 189                                                   |                     | 71                                                    |                 |               | 3                          |
|             | REMARK(S) - NATURAL FLOW                                                                |                                          |                                                       |         |                                                       |                                                       |                     |                                                       |                 |               |                            |

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## NORTHWEST TERRITORIES

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| STATION NO. | NAME                                                                                 | TYPE OF OPERATION | CONC. DATA   | SUSPENDED SEDIMENT |              |              | SED LOAD            |                 | SED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------------------------------------------------|-------------------|--------------|--------------------|--------------|--------------|---------------------|-----------------|----------------------------|
|             |                                                                                      |                   |              | LOADS              | DISS. SOLIDS | WATER TEMP.  | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE              |
| 05MAG02     | QINGUO CREEK NEAR BAKER LAKE                                                         | M-MS              | 1972         |                    | 1972         | 1972         |                     |                 |                            |
|             | LATITUDE 84 18 24 N<br>LONGITUDE 98 18 08 W<br>DRAINAGE AREA 431 km <sup>2</sup>     |                   |              |                    |              |              |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 2            |                    | 2            | 2            |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |              |                    |              |              |                     |                 |                            |
| 05MB001     | QUDICH RIVER ABOVE ST. CLAIR FALLS                                                   | M-MS              | 1972         |                    | 1972         | 1972         |                     |                 |                            |
|             | LATITUDE 84 18 22 N<br>LONGITUDE 93 55 03 W<br>DRAINAGE AREA 30 100 km <sup>2</sup>  |                   |              |                    |              |              |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 2            |                    | 2            | 2            |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |              |                    |              |              |                     |                 |                            |
| 10KDE04     | RAMPARTS RIVER NEAR FORT GOOD HOPE                                                   | M-MS              | 1987-88      |                    | 1987-88      | 1987-88      |                     |                 | 1987-88                    |
|             | LATITUDE 88 07 00 N<br>LONGITUDE 120 18 18 W<br>DRAINAGE AREA 7 410 km <sup>2</sup>  |                   |              |                    |              |              |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 8            |                    | 8            | 4            |                     |                 | 1                          |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |              |                    |              |              |                     |                 |                            |
| 10HB001     | REDSTONE RIVER NEAR THE MOUTH                                                        | M-MS              | 1972         |                    | 1972         |              |                     |                 | 1972                       |
|             | LATITUDE 84 10 56 N<br>LONGITUDE 124 39 52 W<br>DRAINAGE AREA 18 400 km <sup>2</sup> |                   |              |                    |              |              |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 3            |                    | 3            |              |                     |                 | 6                          |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |              |                    |              |              |                     |                 |                            |
| 10HB005     | REDSTONE RIVER 82 KM ABOVE MOUTH                                                     | M-MS              | 1987-88      |                    | 1987-88      | 1987-88      |                     |                 | 1987-88                    |
|             | LATITUDE 83 58 32 N<br>LONGITUDE 125 15 02 W<br>DRAINAGE AREA 18 400 km <sup>2</sup> |                   |              |                    |              |              |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 7            |                    | 7            | 6            |                     |                 | 2                          |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |              |                    |              |              |                     |                 |                            |
| 10LC003     | RENGLENS RIVER BELOW HIGHWAY NO. 8                                                   | M-MS              | 1973<br>1974 | 1973               |              | 1973<br>1974 |                     |                 |                            |
|             | LATITUDE 87 45 22 N<br>LONGITUDE 133 50 40 W<br>DRAINAGE AREA 1 310 km <sup>2</sup>  |                   |              |                    |              |              |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 13           |                    |              | 13           |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |              |                    |              |              |                     |                 |                            |
| 10CA001     | ROOT RIVER NEAR THE MOUTH                                                            | M-MS              | 1987-88      |                    | 1987-88      | 1987-88      |                     |                 | 1987-88                    |
|             | LATITUDE 82 24 34 N<br>LONGITUDE 123 25 49 W<br>DRAINAGE AREA 9 820 km <sup>2</sup>  |                   |              |                    |              |              |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 12           |                    | 8            | 11           |                     |                 | 1                          |
|             | REMARK(S) - NATURAL FLOW                                                             |                   |              |                    |              |              |                     |                 |                            |
| 07NC005     | SLAVE RIVER (EAST CHANNEL) NEAR FORT RESOLUTION                                      | M-MS              | 1978-80      |                    | 1978-80      | 1978-80      |                     |                 |                            |
|             | LATITUDE 81 17 55 N<br>LONGITUDE 113 38 10 W<br>DRAINAGE AREA km <sup>2</sup>        |                   |              |                    |              |              |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 8            |                    | 8            | 7            |                     |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1988                                                     |                   |              |                    |              |              |                     |                 |                            |
| 07NC007     | SLAVE RIVER (MIDDLE CHANNEL EAST) NEAR FORT RESOLUTION                               | M-MS              | 1978-80      |                    | 1978-80      | 1978-80      |                     |                 |                            |
|             | LATITUDE 81 17 25 N<br>LONGITUDE 113 38 10 W<br>DRAINAGE AREA km <sup>2</sup>        |                   |              |                    |              |              |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                   | 8            |                    | 8            | 7            |                     |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1988                                                     |                   |              |                    |              |              |                     |                 |                            |

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## NORTHWEST TERRITORIES

| STATION NO. | NAME                                                                                 | TYPE OF OPERATION  | CONC. DATA           | LOADS                | SUSPENDED SEDIMENT |                      |                           | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------------------------------------------------|--------------------|----------------------|----------------------|--------------------|----------------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                                                                      |                    |                      |                      | DISS. SOLIDS       | WATER TEMP.          | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 07NC002     | SLAVE RIVER (MIDDLE CHANNEL WEST) NEAR FORT RESOLUTION                               | M-MS               | 1978-80              |                      | 1978-80            | 1978-80              |                           |                 |               |                            |
|             | LATITUDE 51 15 20 N<br>LONGITUDE 113 40 00 W<br>DRAINAGE AREA km <sup>2</sup>        |                    |                      |                      |                    |                      |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                    | 6                    |                      | 6                  | 7                    |                           |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1966                                                     |                    |                      |                      |                    |                      |                           |                 |               |                            |
| 07NC003     | SLAVE RIVER (OLD STEAMBOAT CHANNEL) NEAR FORT RESOLUTION                             | M-MS               | 1978-80              |                      | 1978-80            | 1978-80              |                           |                 |               |                            |
|             | LATITUDE 51 15 00 N<br>LONGITUDE 113 37 24 W<br>DRAINAGE AREA km <sup>2</sup>        |                    |                      |                      |                    |                      |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                    | 6                    |                      | 6                  | 6                    |                           |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1966                                                     |                    |                      |                      |                    |                      |                           |                 |               |                            |
| 07NC005     | SLAVE RIVER (REDDELTA CHANNEL) NEAR FORT RESOLUTION                                  | M-MS               | 1978-80              |                      | 1978-80            | 1978-80              |                           |                 |               |                            |
|             | LATITUDE 51 17 05 N<br>LONGITUDE 113 34 55 W<br>DRAINAGE AREA km <sup>2</sup>        |                    |                      |                      |                    |                      |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                    | 7                    |                      | 6                  | 6                    |                           |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1966                                                     |                    |                      |                      |                    |                      |                           |                 |               |                            |
| 07NC004     | SLAVE RIVER (WEST CHANNEL) FROM OLD STEAMBOAT CHANNEL                                | M-MS               | 1978-80              |                      | 1978-80            | 1978-80              |                           |                 |               |                            |
|             | LATITUDE 51 14 05 N<br>LONGITUDE 113 41 45 W<br>DRAINAGE AREA km <sup>2</sup>        |                    |                      |                      |                    |                      |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                    | 2                    |                      | 2                  | 1                    |                           |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1966                                                     |                    |                      |                      |                    |                      |                           |                 |               |                            |
| 07NC006     | SLAVE RIVER (WEST CHANNEL) NEAR FORT RESOLUTION                                      | M-MS               | 1978-80              |                      | 1978-80            | 1978-80              |                           |                 |               |                            |
|             | LATITUDE 51 15 50 N<br>LONGITUDE 113 37 15 W<br>DRAINAGE AREA km <sup>2</sup>        |                    |                      |                      |                    |                      |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                    | 6                    |                      | 6                  | 6                    |                           |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1966                                                     |                    |                      |                      |                    |                      |                           |                 |               |                            |
| 10VC008     | Snowbird Creek ABOVE LAURA LAKES                                                     | M-MS               | 1975                 |                      |                    |                      |                           |                 |               |                            |
|             | LATITUDE 75 11 00 N<br>LONGITUDE 93 54 00 W<br>DRAINAGE AREA 347 km <sup>2</sup>     |                    |                      |                      |                    |                      |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                    |                      |                      |                    |                      |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                    |                      |                      |                    |                      |                           |                 |               |                            |
| 08JC002     | Thelon River ABOVE DEVERLY LAKE                                                      | M-MS               | 1972                 |                      | 1972               | 1972                 |                           |                 |               |                            |
|             | LATITUDE 64 31 53 N<br>LONGITUDE 101 21 53 W<br>DRAINAGE AREA 85 600 km <sup>2</sup> |                    |                      |                      |                    |                      |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                    | 2                    |                      | 2                  | 2                    |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                    |                      |                      |                    |                      |                           |                 |               |                            |
| 08NS002     | Thlewiaza River ABOVE OUTLET SEALHOLE LAKE                                           | M-MS               | 1972                 |                      | 1972               | 1972                 |                           |                 |               |                            |
|             | LATITUDE 60 47 02 N<br>LONGITUDE 99 48 40 W<br>DRAINAGE AREA 27 000 km <sup>2</sup>  |                    |                      |                      |                    |                      |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                    | 2                    |                      | 2                  | 2                    |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                    |                      |                      |                    |                      |                           |                 |               |                            |
| 10FA002     | Trout River AT HIGHWAY NO. 1                                                         | M-C<br>M-S<br>M-MS | 1972<br>1973<br>1978 | 1973<br>1974<br>1975 |                    | 1973<br>1974<br>1975 |                           |                 |               |                            |
|             | LATITUDE 51 05 23 N<br>LONGITUDE 119 50 09 W<br>DRAINAGE AREA 8 370 km <sup>2</sup>  |                    |                      |                      |                    |                      |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                              |                    | 32                   |                      |                    | 30                   |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                             |                    |                      |                      |                    |                      |                           |                 |               |                            |

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## NORTHWEST TERRITORIES

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| STATION NO. | NAME                                           | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | SED LOAD            |                 | SED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|----------------------------|
|             |                                                |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE              |
| 105A004     | UNNAMED EASTERN TRIBUTARY OF WROTTESLEY RIVER  | M-MS              | 1975       |                    |              |             |                     |                 |                            |
|             | LATITUDE 79 57 00 N                            |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 94 47 00 W                           |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 803 km <sup>2</sup>              |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                        |                   | 1          |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                       |                   |            |                    |              |             |                     |                 |                            |
| 10VC005     | UNNAMED RIVER ABOVE ALLISON INLET              | M-MS              | 1975       |                    |              |             |                     |                 |                            |
|             | LATITUDE 75 10 00 N                            |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 99 18 00 W                           |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 293 km <sup>2</sup>              |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                        |                   |            |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                       |                   |            |                    |              |             |                     |                 |                            |
| 10VC006     | UNNAMED RIVER ABOVE BRACEBRIDGE INLET          | M-MS              | 1975       |                    |              |             |                     |                 |                            |
|             | LATITUDE 75 42 00 N                            |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 100 33 00 W                          |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 510 km <sup>2</sup>              |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                        |                   |            |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                       |                   |            |                    |              |             |                     |                 |                            |
| 10VC004     | UNNAMED RIVER ABOVE GOODSIR INLET              | M-MS              | 1975       |                    |              |             |                     |                 |                            |
|             | LATITUDE 75 44 00 N                            |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 98 07 00 W                           |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 550 km <sup>2</sup>              |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                        |                   |            |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                       |                   |            |                    |              |             |                     |                 |                            |
| 10VB001     | UNNAMED RIVER ABOVE KING POINT                 | M-MS              | 1975       |                    |              |             |                     |                 |                            |
|             | LATITUDE 75 29 00 N                            |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 105 45 00 W                          |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 1 120 km <sup>2</sup>            |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                        |                   |            |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                       |                   |            |                    |              |             |                     |                 |                            |
| 10VB003     | UNNAMED RIVER ABOVE SABINE BAY                 | M-MS              | 1975       |                    |              |             |                     |                 |                            |
|             | LATITUDE 75 29 00 N                            |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 105 38 00 W                          |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 1 340 km <sup>2</sup>            |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                        |                   |            |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                       |                   |            |                    |              |             |                     |                 |                            |
| 10VB004     | UNNAMED RIVER ABOVE WARREN POINT               | M-MS              | 1975       |                    |              |             |                     |                 |                            |
|             | LATITUDE 75 12 00 N                            |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 105 37 00 W                          |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 193 km <sup>2</sup>              |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                        |                   |            |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                       |                   |            |                    |              |             |                     |                 |                            |
| 10VB002     | UNNAMED RIVER ABOVE WEST ARM OF WEATHERALL BAY | M-MS              | 1975       |                    |              |             |                     |                 |                            |
|             | LATITUDE 75 43 00 N                            |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 107 37 00 W                          |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 298 km <sup>2</sup>              |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                        |                   |            |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                       |                   |            |                    |              |             |                     |                 |                            |
| 105A001     | UNNAMED RIVER AT OUTLET OF LAKE JEKYL          | M-MS              | 1975       |                    |              |             |                     |                 |                            |
|             | LATITUDE 89 47 00 N                            |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 93 30 00 W                           |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 522 km <sup>2</sup>              |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                        |                   | 1          |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                       |                   |            |                    |              |             |                     |                 |                            |

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## NOVA SCOTIA

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| STATION NO. | NAME                                                                              | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | PARTICLE SIZE POINT | DEPTH | WED LOAD        |               | SED MATERIAL PARTICLE SIZE |
|-------------|-----------------------------------------------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-------|-----------------|---------------|----------------------------|
|             |                                                                                   |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. |                     |       | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 01DC005     | ANNAPOLIS RIVER AT WILMOT                                                         | M-S               | 1967       | 1967               | 1967         | 1967        |                     |       |                 |               |                            |
|             | LATITUDE 44 55 59 N                                                               | M-C               | 1968-78    | 1968-78            | 1968-78      | 1968-78     | 1974                |       |                 |               | 1973                       |
|             | LONGITUDE 65 01 47 W                                                              | M-C               | 1977-83    | 1977-83            | 1977-78      | 1977-83     |                     |       |                 |               | 1977-78                    |
|             | DRAINAGE AREA 846 km <sup>2</sup>                                                 | M-C               | 1984-88    | 1984-88            | 1984         | 1984-88     |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                           |                   | 1788       | 777                | 1729         |             | 1                   |       |                 |               | 3                          |
|             | REMARK(S) - REGULATED                                                             |                   |            |                    |              |             |                     |       |                 |               |                            |
| 01FB005     | APRIL BROOK AT GILLISDALE                                                         | M-S               | 1968       | 1968               | 1968         | 1968        |                     |       |                 |               |                            |
|             | LATITUDE 46 13 53 N                                                               | M-C               | 1969-73    | 1969-73            | 1969-73      | 1969-73     | 1971-72             |       | 1969 V          |               | 1969                       |
|             | LONGITUDE 81 08 30 W                                                              | M-C               | 1974-77    | 1974-77            | 1974-77      | 1974-77     | 1974-78             |       | 1969-73V        |               | 1969-70                    |
|             | DRAINAGE AREA 8.32 km <sup>2</sup>                                                | M-C               | 1978       | 1978               | 1978         | 1978        | 1978                |       | 1974-77V        |               | 1978                       |
|             | TOTAL NUMBER OF SAMPLES                                                           |                   | 1239       | 529                | 1193         |             | 14                  |       | 10              |               | 5                          |
|             | REMARK(S) - NATURAL FLOW                                                          |                   |            |                    |              |             |                     |       |                 |               |                            |
| 01DH003     | FRASER BROOK NEAR ARCHIBALD                                                       | M-S               | 1968       | 1968               | 1968         | 1968        |                     |       |                 |               |                            |
|             | LATITUDE 45 20 38 N                                                               | M-C               | 1967-75    | 1967-75            | 1967-75      | 1967-75     |                     |       | 1967-73V        |               | 1967-70                    |
|             | LONGITUDE 83 10 05 W                                                              |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 8.07 km <sup>2</sup>                                                |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                           |                   | 578        | 425                | 581          |             |                     |       | 7               |               | 8                          |
|             | REMARK(S) - NATURAL FLOW                                                          |                   |            |                    |              |             |                     |       |                 |               |                            |
| 01DL001     | KELLEY RIVER (MILL CREEK) AT EIGHT MILE FORD                                      | P-C               | 1971-72    | 1971-72            | 1971-72      | 1971-72     |                     |       |                 |               |                            |
|             |                                                                                   | P-S               | 1973       | 1973               | 1973         | 1973        |                     |       |                 |               | 1973                       |
|             |                                                                                   | M-S               | 1974       | 1974               | 1974         | 1974        |                     |       |                 |               | 1974                       |
|             |                                                                                   | M-C               | 1975-77    | 1975-77            | 1975-77      | 1975-77     |                     |       |                 |               |                            |
|             |                                                                                   | M-S               | 1978       | 1978               | 1978         | 1978        |                     |       |                 |               |                            |
|             | LATITUDE 45 35 10 N<br>LONGITUDE 84 27 05 W<br>DRAINAGE AREA 83.2 km <sup>2</sup> | M-C               | 1979-82    | 1979-82            | 1979-82      | 1979-82     |                     |       |                 |               |                            |
|             |                                                                                   | D-C               | 1983-85    | 1983-85            | 1984         | 1983-85     |                     |       |                 |               |                            |
|             |                                                                                   | D-C               | 1986-87    | 1986-87            | 1986-87      | 1986-87     |                     |       |                 |               |                            |
|             |                                                                                   | D-S               | 1988       | 1988               | 1988         | 1988        |                     |       |                 |               |                            |
|             |                                                                                   |                   | 1404       | 656                | 576          |             |                     |       |                 |               | 2                          |
|             | REMARK(S) - NATURAL FLOW                                                          |                   |            |                    |              |             |                     |       |                 |               |                            |
| 01EJ004     | LITTLE SACKVILLE RIVER AT MIDDLE SACKVILLE                                        | M-MS              | 1968       |                    | 1968         |             |                     |       |                 |               |                            |
|             | LATITUDE 44 45 49 N                                                               |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | LONGITUDE 83 41 20 W                                                              |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 13.1 km <sup>2</sup>                                                |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                           |                   | 4          |                    | 4            |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                          |                   |            |                    |              |             |                     |       |                 |               |                            |
| 01DP004     | MIDDLE RIVER OF PICTOU AT ROCKLIN                                                 | M-S               | 1969       | 1969               | 1969         | 1969        |                     |       |                 |               |                            |
|             |                                                                                   | M-C               | 1970-72    | 1970-72            | 1970-72      | 1970-72     |                     |       |                 |               | 1970-71                    |
|             |                                                                                   | M-C               | 1973-80    | 1973-80            | 1973-77      | 1973-80     |                     |       |                 |               | 1973                       |
|             | LATITUDE 45 29 50 N                                                               | M-S               | 1981-83    | 1981-83            | 1981-83      | 1981-83     |                     |       |                 |               |                            |
|             | LONGITUDE 82 45 51 W                                                              | M-C               | 1984       | 1984               |              | 1984        |                     |       |                 |               |                            |
|             | DRAINAGE AREA 92.2 km <sup>2</sup>                                                |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                           |                   | 683        | 204                | 818          |             |                     |       |                 |               | 3                          |
|             | REMARK(S) - NATURAL FLOW                                                          |                   |            |                    |              |             |                     |       |                 |               |                            |
| 01DH004     | NORTH RIVER AT NORTH RIVER                                                        | M-MS              | 1973       |                    | 1973         | 1973        |                     |       |                 |               |                            |
|             | LATITUDE 45 25 30 N                                                               |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | LONGITUDE 83 19 20 W                                                              |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 202 km <sup>2</sup>                                                 |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                           |                   | 4          |                    | 4            | 4           |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                          |                   |            |                    |              |             |                     |       |                 |               |                            |
| 01DG018     | PEMBROKE RIVER AT GLENBURNIE                                                      | M-C               | 1978-83    | 1978-83            | 1978         | 1978-83     |                     |       |                 |               | 1978                       |
|             | LATITUDE 45 15 54 N                                                               | M-C               | 1984-88    | 1984-88            | 1984         | 1984-88     |                     |       |                 |               |                            |
|             | LONGITUDE 83 55 28 W                                                              |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 73.3 km <sup>2</sup>                                                |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                           |                   | 736        |                    | 39           | 728         |                     |       |                 |               | 1                          |
|             | REMARK(S) - NATURAL FLOW                                                          |                   |            |                    |              |             |                     |       |                 |               |                            |
| 01EJ001     | SACKVILLE RIVER AT BEDFORD                                                        | M-MS              | 1968       |                    | 1968         |             |                     |       |                 |               |                            |
|             | LATITUDE 44 43 53 N                                                               |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | LONGITUDE 83 39 48 W                                                              |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | DRAINAGE AREA 148 km <sup>2</sup>                                                 |                   |            |                    |              |             |                     |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                           |                   | 4          |                    | 4            |             |                     |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                          |                   |            |                    |              |             |                     |       |                 |               |                            |

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V - VOLUMETRIC MEASUREMENT

SEE INTRODUCTION FOR CONTRIBUTING AGENCIES



# ONTARIO

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| STATION NO. | NAME                                   | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|----------------------------|
|             |                                        |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE              |
| 04ME003     | ABITIBI RIVER AT ONAKAWANA             | M-MS              | 1978       |                    |              |             |                     |                 |                            |
|             | LATITUDE 80 38 00 N                    | M-MS              | 1983       |                    |              |             |                     |                 |                            |
|             | LONGITUDE 81 25 00 W                   | M-MS              | 1988-88    |                    | 1988-88      | 1988-88     |                     |                 |                            |
|             | DRAINAGE AREA 27 900 km <sup>2</sup>   |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 11         |                    | 7            | 3           |                     |                 |                            |
|             | REMARK(S) - REGULATED                  |                   |            |                    |              |             |                     |                 |                            |
| 04GD001     | ALBANY RIVER ABOVE NOTTIN ISLAND       | M-MS              | 1983       |                    |              |             |                     |                 |                            |
|             | LATITUDE 81 38 30 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 88 23 50 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 32 400 km <sup>2</sup>   |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 2          |                    |              |             |                     |                 |                            |
|             | REMARK(S) - REGULATED                  |                   |            |                    |              |             |                     |                 |                            |
| 04HA001     | ALBANY RIVER NEAR HAT ISLAND           | M-MS              | 1978-78    |                    | 1978-77      |             |                     |                 |                            |
|             | LATITUDE 81 18 30 N                    | M-MS              | 1980-81    |                    |              | 1980        |                     |                 |                            |
|             | LONGITUDE 83 52 30 W                   | M-MS              | 1982-83    |                    |              | 1982-83     |                     |                 |                            |
|             | DRAINAGE AREA 118 000 km <sup>2</sup>  | M-MS              | 1985       |                    | 1985         | 1985        |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                | M-MS              | 1987       |                    | 1987         | 1987        |                     |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1934       |                   | 28         |                    | 12           | 14          |                     |                 |                            |
| 04DB001     | ASHNUEIG RIVER AT STRAIGHT LAKE        | M-MS              | 1983       |                    |              |             |                     |                 |                            |
|             | LATITUDE 83 43 00 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 87 58 40 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 7 880 km <sup>2</sup>    |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 2          |                    |              |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                   |            |                    |              |             |                     |                 |                            |
| 04FC001     | ATTAWAPISKAT RIVER BELOW MUKETEI RIVER | M-MS              | 1978-77    |                    | 1978-77      |             |                     |                 |                            |
|             | LATITUDE 83 08 30 N                    | M-MS              | 1980-81    |                    |              | 1980        |                     |                 |                            |
|             | LONGITUDE 88 00 30 W                   | M-MS              | 1982-83    |                    |              | 1982-83     |                     |                 |                            |
|             | DRAINAGE AREA 38 000 km <sup>2</sup>   | M-MS              | 1985-88    |                    | 1985-88      | 1985-88     |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 28         |                    | 18           | 12          |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                   |            |                    |              |             |                     |                 |                            |
| 02FF002     | AUSABLE RIVER NEAR SPRINGBANK          | M-C               | 1970-72    | 1970-72            | 1970-72      | 1970-72     |                     |                 |                            |
|             | LATITUDE 43 04 20 N                    | M-C               | 1973-78    | 1973-78            | 1973-78      | 1973-78     |                     |                 | 1973                       |
|             | LONGITUDE 81 39 35 W                   | M-S               | 1977-87    | 1977-87            | 1977-87      | 1977-87     |                     |                 | 1977-88                    |
|             | DRAINAGE AREA 885 km <sup>2</sup>      |                   | 1988       | 1988               | 1988         | 1988        |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 1941       |                    | 888          | 1888        | 88                  |                 | 33                         |
|             | REMARK(S) - NATURAL FLOW               |                   |            |                    |              |             |                     |                 |                            |
| 02CE002     | AUX SABLES RIVER AT HASSEY             | M-MS              | 1987       |                    | 1987         | 1987        |                     |                 |                            |
|             | LATITUDE 48 12 04 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 82 04 14 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 1 350 km <sup>2</sup>    |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 1          |                    | 1            | 1           |                     |                 |                            |
|             | REMARK(S) - REGULATED                  |                   |            |                    |              |             |                     |                 |                            |
| 02ED004     | BAILEY CREEK NEAR BEETON               | M-MS              | 1970       |                    | 1970         | 1970        |                     |                 |                            |
|             | LATITUDE 44 07 08 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 78 48 43 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 207 km <sup>2</sup>      |                   |            |                    |              |             |                     |                 |                            |
|             | REMARK(S) - REGULATED                  |                   |            |                    |              |             |                     |                 |                            |
|             |                                        |                   |            |                    |              |             |                     |                 |                            |
| 02FF007     | BAYFIELD RIVER NEAR VARNA              | M-MS              | 1985-88    |                    | 1985-88      | 1985-88     |                     |                 |                            |
|             | LATITUDE 43 33 03 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 81 35 32 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 488 km <sup>2</sup>      |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 20         |                    | 24           | 27          |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                   |            |                    |              |             |                     |                 |                            |
| 02LB008     | BEAR BROOK NEAR SOURGET                | M-MS              | 1978       |                    | 1978         | 1978        |                     |                 |                            |
|             | LATITUDE 48 28 38 N                    |                   |            |                    |              |             |                     |                 |                            |
|             | LONGITUDE 78 09 12 W                   |                   |            |                    |              |             |                     |                 |                            |
|             | DRAINAGE AREA 440 km <sup>2</sup>      |                   |            |                    |              |             |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 1          |                    | 1            |             |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                   |            |                    |              |             |                     |                 |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                               | TYPE OF OPERATION                              | CONC. DATA                                                                     | SUSPENDED SEDIMENT                                                             |                                                                                |                                                                                | BED LOAD            |         | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------|---------|----------------------------|
|             |                                                                                    |                                                |                                                                                | LOADS                                                                          | DISS. SOLIDS                                                                   | WATER TEMP.                                                                    | PARTICLE SIZE POINT | DEPTH   |                            |
| 026009      | BEAR CREEK BELOW BRIDGE                                                            | M-MS                                           | 1986-88                                                                        |                                                                                | 1986-88                                                                        | 1986-88                                                                        |                     |         |                            |
|             | LATITUDE 42 48 42 N<br>LONGITUDE 82 17 54 W<br>DRAINAGE AREA 533 km <sup>2</sup>   |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                                | 19                                                                             | 19                                                                             | 14                                                                             |                                                                                |                     |         |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
| 026009      | BEAVER RIVER NEAR CLARKSBURG                                                       | M-MS                                           | 1987-88                                                                        |                                                                                | 1987-88                                                                        | 1987-88                                                                        |                     |         |                            |
|             | LATITUDE 44 31 20 N<br>LONGITUDE 80 28 00 W<br>DRAINAGE AREA 572 km <sup>2</sup>   |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                                | 11                                                                             | 10                                                                             | 11                                                                             |                                                                                |                     |         |                            |
|             | REMARK(S) - REGULATED SINCE 1915                                                   |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
| 026007      | BIG CREEK NEAR WALSHINGHAM                                                         | M-S                                            | 1988                                                                           | 1988                                                                           | 1988                                                                           | 1988                                                                           |                     |         |                            |
|             | LATITUDE 42 41 05 N<br>LONGITUDE 80 32 15 W<br>DRAINAGE AREA 591 km <sup>2</sup>   | M-C<br>D-C<br>M-C<br>M-C<br>M-C<br>M-C<br>M-MS | 1987-89<br>1970<br>1971-72<br>1973-78<br>1977-79<br>1980-84<br>1985-86<br>1987 | 1987-89<br>1970<br>1971-72<br>1973-78<br>1977-79<br>1980-84<br>1985-86<br>1987 | 1987-89<br>1970<br>1971-72<br>1973-78<br>1977-79<br>1980-84<br>1985-86<br>1987 | 1987-89<br>1970<br>1971-72<br>1973-78<br>1977-79<br>1980-84<br>1985-86<br>1987 |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                                | 2967                                                                           | 1849                                                                           | 2832                                                                           |                                                                                | 80                  |         | 43                         |
|             | REMARK(S) - REGULATED                                                              |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
| 026028      | BIG OTTER CREEK NEAR CALTON                                                        | M-S<br>M-C<br>M-S                              | 1975<br>1978-87<br>1988                                                        | 1975<br>1978-87<br>1988                                                        | 1975<br>1978-87<br>1988                                                        | 1975<br>1978-87<br>1988                                                        |                     | 1978-88 | 1978-80                    |
|             | LATITUDE 42 42 30 N<br>LONGITUDE 80 50 20 W<br>DRAINAGE AREA 578 km <sup>2</sup>   |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                                | 2074                                                                           | 1307                                                                           | 1998                                                                           |                                                                                | 322                 |         | 111                        |
|             | REMARK(S) - REGULATED                                                              |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
| 026004      | BIG OTTER CREEK NEAR VIENNA                                                        | M-S<br>M-C<br>M-C<br>M-C                       | 1968<br>1967-70<br>1971-73<br>1974-75                                          | 1968<br>1967-70<br>1971-73<br>1974-75                                          | 1968<br>1967-70<br>1971-73<br>1974-75                                          | 1968<br>1967-70<br>1971-73<br>1974-75                                          |                     | 1968    | 1967<br>1971<br>1974-75    |
|             | LATITUDE 42 41 05 N<br>LONGITUDE 80 47 48 W<br>DRAINAGE AREA 687 km <sup>2</sup>   |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                                | 1139                                                                           | 932                                                                            | 1116                                                                           |                                                                                | 217                 |         | 40                         |
|             | REMARK(S) - REGULATED                                                              |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
| 026010      | BIGHAD RIVER NEAR NEAFORD                                                          | M-MS                                           | 1987-88                                                                        |                                                                                | 1987-88                                                                        | 1987-88                                                                        |                     |         |                            |
|             | LATITUDE 44 34 10 N<br>LONGITUDE 80 39 00 W<br>DRAINAGE AREA 293 km <sup>2</sup>   |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                                | 13                                                                             | 13                                                                             | 13                                                                             |                                                                                |                     |         |                            |
|             | REMARK(S) - REGULATED                                                              |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
| 026002      | BLACK RIVER NEAR MARATHON                                                          | M-MS                                           | 1985-88                                                                        |                                                                                | 1985-88                                                                        | 1985-88                                                                        |                     |         |                            |
|             | LATITUDE 48 41 20 N<br>LONGITUDE 88 12 45 W<br>DRAINAGE AREA 1 980 km <sup>2</sup> |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                                | 10                                                                             | 10                                                                             | 8                                                                              |                                                                                |                     |         |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
| 026044      | BROUGHAM CREEK AT BROUGHAM                                                         | M-C<br>M-S                                     | 1975<br>1978                                                                   | 1975<br>1978                                                                   | 1975<br>1978                                                                   | 1975<br>1978                                                                   |                     | 1975    | 1974                       |
|             | LATITUDE 43 54 57 N<br>LONGITUDE 79 08 23 W<br>DRAINAGE AREA 3.63 km <sup>2</sup>  |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                                | 93                                                                             | 74                                                                             | 93                                                                             |                                                                                | 4                   |         | 8                          |
|             | REMARK(S) - NATURAL FLOW                                                           |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
| 026023      | CANAGAGIUS CREEK NEAR ELMIRA                                                       | M-S<br>M-C                                     | 1987<br>1988-73                                                                | 1987<br>1988-73                                                                | 1987<br>1988-73                                                                | 1987<br>1988-73                                                                |                     | 1987    | 1988-89                    |
|             | LATITUDE 43 34 48 N<br>LONGITUDE 80 30 30 W<br>DRAINAGE AREA 118 km <sup>2</sup>   |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                                                | 804                                                                            | 524                                                                            | 801                                                                            |                                                                                | 30                  |         | 14                         |
|             | REMARK(S) - REGULATED SINCE 1975                                                   |                                                |                                                                                |                                                                                |                                                                                |                                                                                |                     |         |                            |

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| STATION NO. | NAME                                                                                | TYPE OF OPERATION               | CONC. DATA                                               | SUSPENDED SEDIMENT                                       |                                                          |                                                       |                                    | SED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|------------------------------------|-----------------|---------------|----------------------------|
|             |                                                                                     |                                 |                                                          | LOADS                                                    | DISS. SOLIDS                                             | WATER TEMP.                                           | PARTICLE SIZE POINT                | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 02GA036     | CANAGAGIQUE CREEK NEAR FLORADALE                                                    | M-C<br>M-C<br>M-C               | 1974-78<br>1979-82<br>1983-84                            | 1974-78<br>1979-82<br>1983-84                            | 1974-78<br>1979-82<br>1983-84                            | 1974-78<br>1979-82<br>1983-84                         | 1974-77<br>1979-81<br>1983         |                 |               | 1974-78<br>1979-80         |
|             | LATITUDE 43 40 12 N<br>LONGITUDE 80 38 48 W<br>DRAINAGE AREA 17.9 km <sup>2</sup>   |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                 | 813                                                      |                                                          | 271                                                      | 475                                                   | 36                                 |                 |               | 34                         |
|             | REMARK(S) - NATURAL FLOW                                                            |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
| 04GA002     | CAT RIVER BELOW WESLEYAN LAKE                                                       | M-MS                            | 1983                                                     |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | LATITUDE 51 10 00 N<br>LONGITUDE 81 35 50 W<br>DRAINAGE AREA 5 390 km <sup>2</sup>  |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                 | 2                                                        |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
| 02CC018     | CATFISH CREEK NEAR SPARTA                                                           | M-MS                            | 1985-88                                                  |                                                          | 1985-88                                                  | 1985-88                                               |                                    |                 |               |                            |
|             | LATITUDE 42 44 48 N<br>LONGITUDE 81 03 29 W<br>DRAINAGE AREA 287 km <sup>2</sup>    |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                 | 25                                                       |                                                          | 24                                                       | 24                                                    |                                    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
| 02GA039     | CONESTOGA RIVER ABOVE DRAYTON                                                       | M-MS                            | 1985-87                                                  |                                                          | 1985-87                                                  | 1985-87                                               |                                    |                 |               |                            |
|             | LATITUDE 43 46 58 N<br>LONGITUDE 80 38 20 W<br>DRAINAGE AREA 272 km <sup>2</sup>    |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                 | 12                                                       |                                                          | 12                                                       | 12                                                    |                                    |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1982                                                    |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
| 02NB002     | CREDIT RIVER AT BRINDALE                                                            | D-S<br>D-C<br>M-C<br>M-S<br>M-C | 1973<br>1974<br>1975-78<br>1980-83<br>1984-85<br>1986-88 | 1973<br>1974<br>1975-78<br>1980-83<br>1984-85<br>1986-88 | 1973<br>1974<br>1975-78<br>1980-83<br>1984-85<br>1986-88 | 1973<br>1974<br>1975-78<br>1976-78<br>1980-83<br>1984 | 1974<br>1975-78<br>1980-83<br>1984 |                 |               | 1974<br>1975-78<br>1980    |
|             | LATITUDE 43 32 34 N<br>LONGITUDE 79 39 28 W<br>DRAINAGE AREA 795 km <sup>2</sup>    |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                 | 2454                                                     |                                                          | 1977                                                     | 2197                                                  | 48                                 |                 |               | 21                         |
|             | REMARK(S) - REGULATED                                                               |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
| 02NC024     | DSM RIVER AT TODMORDEN                                                              | D-S<br>D-C                      | 1985<br>1986-88                                          | 1986<br>1986-88                                          | 1985<br>1986-88                                          | 1985<br>1986-88                                       | 1986                               |                 |               | 1986                       |
|             | LATITUDE 43 41 50 N<br>LONGITUDE 79 21 15 W<br>DRAINAGE AREA 316 km <sup>2</sup>    |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                 | 485                                                      |                                                          | 85                                                       | 44                                                    | 1                                  |                 |               | 14                         |
|             | REMARK(S) - REGULATED SINCE 1973                                                    |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
| 02NC006     | DUFFINS CREEK AT PICKERING                                                          | M-S<br>M-MS                     | 1974-78<br>1989                                          | 1974-78<br>1989                                          | 1974-78<br>1989                                          | 1974-78<br>1989                                       | 1975                               |                 |               |                            |
|             | LATITUDE 43 51 10 N<br>LONGITUDE 79 03 44 W<br>DRAINAGE AREA 249 km <sup>2</sup>    |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                 | 100                                                      |                                                          | 100                                                      | 100                                                   | 3                                  |                 |               |                            |
|             | REMARK(S) - REGULATED                                                               |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             |                                                                                     |                                 | - DATA CONTRIBUTED BY 485                                |                                                          |                                                          |                                                       |                                    |                 |               |                            |
| 02GA035     | EAST CANAGAGIQUE CREEK NEAR FLORADALE                                               | M-C<br>M-C                      | 1974-78<br>1977-78                                       | 1974-78<br>1977-78                                       | 1974-78<br>1977-78                                       | 1974-78<br>1977-78                                    | 1978<br>1977                       |                 |               | 1974-78<br>1977-78         |
|             | LATITUDE 43 39 04 N<br>LONGITUDE 80 34 20 W<br>DRAINAGE AREA 27.7 km <sup>2</sup>   |                                 | 1980-84                                                  | 1980-84                                                  | 1980-84                                                  | 1980-84                                               | 1980-83                            |                 |               | 1980                       |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                 | 904                                                      |                                                          | 383                                                      | 574                                                   | 23                                 |                 |               | 37                         |
|             | REMARK(S) - NATURAL FLOW                                                            |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
| 04EA001     | EXWAR RIVER BELOW NORTH WASHAGAMI RIVER                                             | M-MS                            | 1983                                                     |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | LATITUDE 53 48 20 N<br>LONGITUDE 84 55 20 W<br>DRAINAGE AREA 10 400 km <sup>2</sup> |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                 | 2                                                        |                                                          |                                                          |                                                       |                                    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                                 |                                                          |                                                          |                                                          |                                                       |                                    |                 |               |                            |

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V - VOLUMETRIC MEASUREMENT

SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                               | TYPE OF OPERATION | CONC. DATA              | LOADS                   | SUSPENDED SEDIMENT      |                         | PARTICLE SIZE POINT DEPTH | BED LOAD        |               | SED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------------------------------------------------|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                                                                    |                   |                         |                         | DISS. SOLIDS            | WATER TEMP.             |                           | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 02HC030     | ETOBICOKE CREEK BELOW QUEEN ELIZABETH HIGHWAY                                      | M-MS              | 1985-88<br>1987-88      |                         | 1985-88<br>1987-88      | 1985-88<br>1987-88      | 1985                      |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | LATITUDE 43 38 02 N<br>LONGITUDE 79 33 24 W<br>DRAINAGE AREA 204 km <sup>2</sup>   |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 48                      |                         | 39                      | 21                      | 2                         |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                         |                         |                         |                         |                           |                 |               |                            |
| 02GB007     | FAIRCHILD CREEK NEAR BRANTFORD                                                     | M-MS              | 1985-88                 |                         | 1985-88                 | 1985-88                 |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | LATITUDE 43 08 49 N<br>LONGITUDE 80 09 18 W<br>DRAINAGE AREA 380 km <sup>2</sup>   |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 18                      |                         | 18                      | 17                      |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                         |                         |                         |                         |                           |                 |               |                            |
| 02HD014     | FAREWELL CREEK AT OSHTAWA                                                          | M-S<br>M-C<br>M-S | 1980<br>1981<br>1982-88 | 1980<br>1981<br>1982-88 | 1980<br>1981<br>1982-88 | 1980<br>1981<br>1982-88 | 1980<br>1981<br>1982-88   |                 |               | 1980<br>1981<br>1982-88    |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | LATITUDE 43 53 18 N<br>LONGITUDE 78 49 18 W<br>DRAINAGE AREA 58.6 km <sup>2</sup>  |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 544                     |                         | 146                     | 420                     | 18                        |                 |               | 28                         |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                         |                         |                         |                         |                           |                 |               |                            |
| 04CE002     | PAWEN RIVER BELOW BIG TROUT LAKE                                                   | M-MS              | 1983                    |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | LATITUDE 53 48 00 N<br>LONGITUDE 89 33 00 W<br>DRAINAGE AREA 4 350 km <sup>2</sup> |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 2                       |                         |                         |                         |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                         |                         |                         |                         |                           |                 |               |                            |
| 02HD012     | KANARASKA RIVER ABOVE DALE                                                         | M-MS              | 1985-88                 |                         | 1985-88                 | 1985-88                 |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | LATITUDE 43 58 28 N<br>LONGITUDE 78 18 43 W<br>DRAINAGE AREA 232 km <sup>2</sup>   |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 24                      |                         | 23                      | 18                      |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                         |                         |                         |                         |                           |                 |               |                            |
| 02BP002     | COULAIS RIVER NEAR SEARCHMONT                                                      | M-MS              | 1988-88                 |                         | 1988-88                 | 1988-88                 |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | LATITUDE 48 51 37 N<br>LONGITUDE 83 58 18 W<br>DRAINAGE AREA 1 180 km <sup>2</sup> |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 10                      |                         | 10                      | 10                      |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                         |                         |                         |                         |                           |                 |               |                            |
| 02GB001     | GRAND RIVER AT BRANTFORD                                                           | M-MS<br>M-MS      | 1975<br>1985-88         |                         | 1985-88                 | 1985-88                 |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | LATITUDE 43 07 58 N<br>LONGITUDE 80 18 01 W<br>DRAINAGE AREA 5 210 km <sup>2</sup> |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 12                      |                         | 8                       | 8                       |                           |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1982                                                   |                   |                         |                         |                         |                         |                           |                 |               |                            |
| 02GA003     | GRAND RIVER AT GALT                                                                | M-MS              | 1975                    |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | LATITUDE 43 21 10 N<br>LONGITUDE 80 18 01 W<br>DRAINAGE AREA 3 520 km <sup>2</sup> |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 1                       |                         |                         |                         |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                              |                   |                         |                         |                         |                         |                           |                 |               |                            |
| 02AE001     | GRAVEL RIVER NEAR CAVERS                                                           | M-MS              | 1985-88                 |                         | 1985-88                 | 1985-88                 |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | LATITUDE 48 55 34 N<br>LONGITUDE 87 41 27 W<br>DRAINAGE AREA 816 km <sup>2</sup>   |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 11                      |                         | 10                      | 10                      |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                         |                         |                         |                         |                           |                 |               |                            |
| 02HB012     | GRINDSTONE CREEK NEAR ALDERSHOT                                                    | M-MS              | 1987                    |                         | 1987                    | 1987                    |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             |                                                                                    |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | LATITUDE 43 18 03 N<br>LONGITUDE 78 52 10 W<br>DRAINAGE AREA 52.6 km <sup>2</sup>  |                   |                         |                         |                         |                         |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 1                       |                         | 1                       | 1                       |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                         |                         |                         |                         |                           |                 |               |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                                | TYPE OF OPERATION                      | CONC. DATA                                                  | SUSPENDED SEDIMENT                                          |                                                             | WATER TEMP.                                                 | SED LOAD        |               | BED MATERIAL PARTICLE SIZE                          |
|-------------|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-----------------|---------------|-----------------------------------------------------|
|             |                                                                                     |                                        |                                                             | LOADS                                                       | DISS. SOLIDS                                                |                                                             | VOLUME OR LOADS | PARTICLE SIZE |                                                     |
|             |                                                                                     |                                        |                                                             |                                                             |                                                             |                                                             |                 | DEPTH         |                                                     |
| 04KA002     | HALFWAY CREEK AT MOOSONEE                                                           | M-S<br>M-C                             | 1978<br>1979-83                                             | 1978<br>1979-83                                             | 1978<br>1979-83                                             | 1978<br>1979-83                                             |                 |               | 1980                                                |
|             | LATITUDE 51 15 15 N<br>LONGITUDE 80 38 14 W<br>DRAINAGE AREA 133 km <sup>2</sup>    |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                        | 155                                                         |                                                             | 45                                                          | 93                                                          |                 |               |                                                     |
|             | REMARK(S) - NATURAL FLOW                                                            |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
| 03ND013     | HARMONY CREEK AT OSHAWA                                                             | M-S<br>M-C<br>M-S<br>M-C<br>M-S        | 1980<br>1981<br>1982<br>1983<br>1984-85                     | 1980<br>1981<br>1982<br>1983<br>1984-85                     | 1980<br>1981<br>1982<br>1983<br>1984-85                     | 1980<br>1981<br>1982<br>1983<br>1984-85                     |                 |               | 1980<br>1981<br>1982<br>1983<br>1984                |
|             | LATITUDE 43 53 15 N<br>LONGITUDE 78 49 30 W<br>DRAINAGE AREA 41.9 km <sup>2</sup>   |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                        | 550                                                         |                                                             | 141                                                         | 428                                                         |                 | 31            | 13<br>28                                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
| 02HC013     | HIGHLAND CREEK NEAR WEST HILL                                                       | M-MS                                   | 1985-88                                                     | 1985-88                                                     | 1985-88                                                     |                                                             |                 |               |                                                     |
|             | LATITUDE 43 48 42 N<br>LONGITUDE 79 11 28 W<br>DRAINAGE AREA 86.2 km <sup>2</sup>   |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                        | 44                                                          |                                                             | 41                                                          | 28                                                          |                 |               |                                                     |
|             | REMARK(S) - NATURAL FLOW                                                            |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
| 03HC025     | HUMBER RIVER AT ELDER HILLS                                                         | M-S<br>M-C<br>M-C<br>M-C<br>M-C<br>M-C | 1988<br>1987-73<br>1974-78<br>1979-81<br>1982-85<br>1988-88 | 1988<br>1987-73<br>1974-78<br>1979-81<br>1982-85<br>1988-88 | 1988<br>1987-73<br>1974-78<br>1979-81<br>1982-85<br>1988-88 | 1988<br>1987-73<br>1974-78<br>1979-81<br>1982-84<br>1988-87 |                 |               | 1988-89<br>1974-78<br>1979-80<br>1982-84<br>1988-87 |
|             | LATITUDE 43 48 39 N<br>LONGITUDE 79 37 35 W<br>DRAINAGE AREA 303 km <sup>2</sup>    |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                        | 2178                                                        |                                                             | 1514                                                        | 2113                                                        |                 | 182           | 35                                                  |
|             | REMARK(S) - NATURAL FLOW                                                            |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
| 02HC003     | HUMBER RIVER AT WESTON                                                              | M-S<br>M-C<br>M-S<br>M-C<br>M-C        | 1985<br>1988<br>1987<br>1988-73<br>1974-78                  | 1985<br>1988<br>1987<br>1988-73<br>1974-78                  | 1985<br>1988<br>1987<br>1988-73<br>1974-78                  | 1985<br>1988<br>1987<br>1988-73<br>1974-78                  |                 |               | 1989<br>1974-78                                     |
|             | LATITUDE 43 41 54 N<br>LONGITUDE 79 31 19 W<br>DRAINAGE AREA 500 km <sup>2</sup>    |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                        | 1207                                                        |                                                             | 782                                                         | 1193                                                        |                 | 25<br>198     | 17                                                  |
|             | REMARK(S) - REGULATED                                                               |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
| 02LA005     | KEMPTVILLE CREEK NEAR KEMPTVILLE                                                    | M-MS                                   | 1988-88                                                     | 1988-88                                                     | 1988-88                                                     |                                                             |                 |               |                                                     |
|             | LATITUDE 44 59 38 N<br>LONGITUDE 75 39 48 W<br>DRAINAGE AREA 408 km <sup>2</sup>    |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                        | 20                                                          |                                                             | 17                                                          | 17                                                          |                 |               |                                                     |
|             | REMARK(S) - REGULATED SINCE 1951                                                    |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
| 04JG001     | KENDSAHI RIVER NEAR MAHMANATTAWA                                                    | M-MS                                   | 1983                                                        |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | LATITUDE 50 25 20 N<br>LONGITUDE 84 23 15 W<br>DRAINAGE AREA 28 300 km <sup>2</sup> |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                        | 2                                                           |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | REMARK(S) - REGULATED SINCE 1939                                                    |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
| 02CC002     | KETTLE CREEK AT ST. THOMAS                                                          | M-MS                                   | 1985-88                                                     | 1985-88                                                     | 1985-88                                                     |                                                             |                 |               |                                                     |
|             | LATITUDE 43 48 40 N<br>LONGITUDE 81 12 52 W<br>DRAINAGE AREA 328 km <sup>2</sup>    |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                        | 25                                                          |                                                             | 24                                                          | 25                                                          |                 |               |                                                     |
|             | REMARK(S) - NATURAL FLOW                                                            |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
| 04KA001     | KWATAGANESAN RIVER NEAR THE MOUTH                                                   | M-MS                                   | 1983                                                        |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | LATITUDE 51 09 00 N<br>LONGITUDE 80 52 00 W<br>DRAINAGE AREA 4 250 km <sup>2</sup>  |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | TOTAL NUMBER OF SAMPLES                                                             |                                        | 3                                                           |                                                             |                                                             |                                                             |                 |               |                                                     |
|             | REMARK(S) - NATURAL FLOW                                                            |                                        |                                                             |                                                             |                                                             |                                                             |                 |               |                                                     |

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| STATION NO. | NAME                                   | TYPE OF OPERATION  | CONC. DATA              | SUSPENDED SEDIMENT |                         |                         | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------|--------------------|-------------------------|--------------------|-------------------------|-------------------------|---------------------|-----------------|----------------------------|
|             |                                        |                    |                         | LOADS              | DISS. SOLIDS            | WATER TEMP.             | PARTICLE SIZE POINT | VOLUME OR LOADS |                            |
| 04JF001     | LITTLE CURRENT RIVER AT PERCY LAKE     | M-MS               | 1983                    |                    |                         |                         |                     |                 |                            |
|             | LATITUDE 50 39 30 N                    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | LONGITUDE 88 31 55 W                   |                    |                         |                    |                         |                         |                     |                 |                            |
|             | DRAINAGE AREA 5 380 km <sup>2</sup>    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                    | 3                       |                    |                         |                         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                    |                         |                    |                         |                         |                     |                 |                            |
| 026C015     | LITTLE OTTER CREEK NEAR STRAFFORDVILLE | M-MS               | 1985-87                 |                    | 1985-87                 | 1985-87                 |                     |                 |                            |
|             | LATITUDE 43 45 33 N                    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | LONGITUDE 80 48 28 W                   |                    |                         |                    |                         |                         |                     |                 |                            |
|             | DRAINAGE AREA 104 km <sup>2</sup>      |                    |                         |                    |                         |                         |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                    | 28                      |                    | 25                      | 24                      |                     |                 |                            |
|             | REMARK(S) - REGULATED                  |                    |                         |                    |                         |                         |                     |                 |                            |
| 02BA003     | LITTLE PIC RIVER NEAR COLDWELL         | M-MS               | 1987-88                 |                    | 1987-88                 | 1987-88                 |                     |                 |                            |
|             | LATITUDE 44 50 57 N                    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | LONGITUDE 88 38 28 W                   |                    |                         |                    |                         |                         |                     |                 |                            |
|             | DRAINAGE AREA 1 320 km <sup>2</sup>    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                    | 8                       |                    | 5                       | 4                       |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                    |                         |                    |                         |                         |                     |                 |                            |
| 02HC028     | LITTLE ROUGE CREEK NEAR LOCUST HILL    | M-S<br>M-MS        | 1974-76<br>1989         |                    | 1974-76<br>1989         | 1974-76<br>1989         |                     |                 |                            |
|             | LATITUDE 43 54 28 N                    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | LONGITUDE 79 12 58 W                   |                    |                         |                    |                         |                         |                     |                 |                            |
|             | DRAINAGE AREA 77.7 km <sup>2</sup>     |                    |                         |                    |                         |                         |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                    | 80                      |                    | 80                      | 88                      |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                    |                         |                    |                         |                         |                     |                 |                            |
|             |                                        |                    |                         |                    |                         |                         |                     |                 |                            |
| 02FD002     | LUCKNOW RIVER AT LUCKNOW               | M-MS<br>M-C<br>M-S | 1981<br>1982-83<br>1984 |                    | 1981<br>1982-83<br>1984 | 1981<br>1982-83<br>1984 |                     |                 | 1981<br>1983               |
|             | LATITUDE 43 57 44 N                    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | LONGITUDE 81 30 55 W                   |                    |                         |                    |                         |                         |                     |                 |                            |
|             | DRAINAGE AREA 54.8 km <sup>2</sup>     |                    |                         |                    |                         |                         |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                    | 227                     |                    | 37                      | 130                     |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                    |                         |                    |                         |                         |                     |                 |                            |
| 02MB006     | LYN CREEK NEAR LYN                     | M-MS               | 1987-88                 |                    | 1987-88                 | 1987-88                 |                     |                 |                            |
|             | LATITUDE 44 31 30 N                    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | LONGITUDE 78 48 19 W                   |                    |                         |                    |                         |                         |                     |                 |                            |
|             | DRAINAGE AREA km <sup>2</sup>          |                    |                         |                    |                         |                         |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                    | 11                      |                    | 11                      | 11                      |                     |                 |                            |
|             | REMARK(S) - REGULATED                  |                    |                         |                    |                         |                         |                     |                 |                            |
| 02HC018     | LYNDE CREEK NEAR WHITBY                | M-MS               | 1988-89                 |                    | 1988-89                 | 1988-89                 |                     |                 |                            |
|             | LATITUDE 43 53 32 N                    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | LONGITUDE 78 57 43 W                   |                    |                         |                    |                         |                         |                     |                 |                            |
|             | DRAINAGE AREA 108 km <sup>2</sup>      |                    |                         |                    |                         |                         |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                    | 14                      |                    | 12                      | 12                      |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                    |                         |                    |                         |                         |                     |                 |                            |
| 02ED016     | MAD RIVER BELOW AVERING                | M-MS               | 1988                    |                    | 1988                    | 1988                    |                     |                 |                            |
|             | LATITUDE 44 18 20 N                    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | LONGITUDE 80 04 11 W                   |                    |                         |                    |                         |                         |                     |                 |                            |
|             | DRAINAGE AREA 239 km <sup>2</sup>      |                    |                         |                    |                         |                         |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                    | 5                       |                    | 5                       | 4                       |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW               |                    |                         |                    |                         |                         |                     |                 |                            |
| 02ED005     | MAD RIVER NEAR GLENCAIRN               | M-MS               | 1987                    |                    | 1987                    | 1987                    |                     |                 |                            |
|             | LATITUDE 44 18 18 N                    |                    |                         |                    |                         |                         |                     |                 |                            |
|             | LONGITUDE 80 00 07 W                   |                    |                         |                    |                         |                         |                     |                 |                            |
|             | DRAINAGE AREA 285 km <sup>2</sup>      |                    |                         |                    |                         |                         |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                |                    | 11                      |                    | 11                      | 11                      |                     |                 |                            |
|             | REMARK(S) - REGULATED                  |                    |                         |                    |                         |                         |                     |                 |                            |

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| STATION NO. | NAME                                   | TYPE OF OPERATION | CORE DATA | SUSPENDED SEDIMENT |              |             |                           | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------|-------------------|-----------|--------------------|--------------|-------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                        |                   |           | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 02F004      | WATLAND RIVER NEAR DOWNSBROOK          | M-C               | 1970-74   | 1970-74            | 1970-74      | 1970-74     | 1974                      |                 |               |                            |
|             | LATITUDE 43 49 30 N                    |                   |           |                    |              |             |                           |                 |               |                            |
|             | LONGITUDE 81 28 38 W                   |                   |           |                    |              |             |                           |                 |               |                            |
|             | DRAINAGE AREA 1 780 km <sup>2</sup>    |                   |           |                    |              |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 495       |                    | 484          | 487         |                           |                 | 5             |                            |
|             | REMARK(S) - REGULATED                  |                   |           |                    |              |             |                           |                 |               |                            |
| 02GE007     | MCCRESSOR CREEK NEAR CHATHAM           | M-MS              | 1985      |                    | 1985         | 1985        |                           |                 |               |                            |
|             | LATITUDE 42 23 00 N                    | M-S               | 1985      | 1985               | 1985         | 1985        | 1985                      |                 |               |                            |
|             | LONGITUDE 82 08 39 W                   | M-MS              | 1987-88   |                    | 1987-88      | 1987-88     |                           |                 |               |                            |
|             | DRAINAGE AREA 302 km <sup>2</sup>      |                   |           |                    |              |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 76        |                    | 41           | 25          |                           |                 | 2             |                            |
|             | REMARK(S) - NATURAL FLOW               |                   |           |                    |              |             |                           |                 |               |                            |
| 02HC045     | MICHELL CREEK BELOW CLAREMONT          | M-S               | 1974      | 1974               | 1974         | 1974        |                           |                 |               |                            |
|             | LATITUDE 43 57 40 N                    | M-C               | 1975      | 1975               | 1975         | 1975        | 1975                      |                 |               | 1974                       |
|             | LONGITUDE 78 07 41 W                   | M-S               | 1975      | 1975               | 1975         | 1975        |                           |                 |               |                            |
|             | DRAINAGE AREA 25.9 km <sup>2</sup>     |                   |           |                    |              |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 229       |                    | 184          | 228         |                           |                 | 2             |                            |
|             | REMARK(S) - NATURAL FLOW               |                   |           |                    |              |             |                           |                 |               |                            |
| 02CE008     | MISSISSAUGA RIVER AT MISSISSAUGA CHUTE | M-MS              | 1987-88   |                    | 1987-88      | 1987-88     |                           |                 |               |                            |
|             | LATITUDE 45 12 04 N                    |                   |           |                    |              |             |                           |                 |               |                            |
|             | LONGITUDE 82 01 32 W                   |                   |           |                    |              |             |                           |                 |               |                            |
|             | DRAINAGE AREA 9 300 km <sup>2</sup>    |                   |           |                    |              |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 5         |                    | 5            | 6           |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                  |                   |           |                    |              |             |                           |                 |               |                            |
| 02KP008     | MISSISSIPPI RIVER AT APPLETON          | M-MS              | 1985      |                    | 1985         | 1985        |                           |                 |               |                            |
|             | LATITUDE 45 10 35 N                    | M-MS              | 1985      |                    | 1985         | 1985        |                           |                 |               |                            |
|             | LONGITUDE 78 07 27 W                   |                   |           |                    |              |             |                           |                 |               |                            |
|             | DRAINAGE AREA 2 900 km <sup>2</sup>    |                   |           |                    |              |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 5         |                    | 5            | 5           |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                  |                   |           |                    |              |             |                           |                 |               |                            |
| 02HL001     | MOIRA RIVER NEAR FORDBORO              | M-MS              | 1985      |                    | 1985         | 1985        |                           |                 |               |                            |
|             | LATITUDE 44 15 14 N                    | M-MS              | 1985      |                    | 1985         | 1985        |                           |                 |               |                            |
|             | LONGITUDE 77 25 10 W                   |                   |           |                    |              |             |                           |                 |               |                            |
|             | DRAINAGE AREA 2 820 km <sup>2</sup>    |                   |           |                    |              |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 11        |                    | 11           | 5           |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                  |                   |           |                    |              |             |                           |                 |               |                            |
| 04LG004     | MOOSE RIVER ABOVE MOOSE RIVER          | M-MS              | 1983-88   |                    | 1984-88      | 1983-88     |                           |                 |               |                            |
|             | LATITUDE 50 44 38 N                    |                   |           |                    |              |             |                           |                 |               |                            |
|             | LONGITUDE 81 27 30 W                   |                   |           |                    |              |             |                           |                 |               |                            |
|             | DRAINAGE AREA 80 100 km <sup>2</sup>   |                   |           |                    |              |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 18        |                    | 11           | 11          |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                  |                   |           |                    |              |             |                           |                 |               |                            |
| 04LG002     | MOOSE RIVER AT MOOSE RIVER             | M-MS              | 1978-79   |                    | 1978         | 1978        |                           |                 |               |                            |
|             | LATITUDE 50 45 50 N                    | M-MS              | 1977-80   |                    | 1977         | 1978-79     |                           |                 |               |                            |
|             | LONGITUDE 81 17 40 W                   | M-MS              | 1981      |                    |              | 1981        |                           |                 |               |                            |
|             | DRAINAGE AREA 80 100 km <sup>2</sup>   |                   |           |                    |              |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 21        |                    | 9            | 11          |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                  |                   |           |                    |              |             |                           |                 |               |                            |
| 02GC022     | NANTICOKE CREEK AT NANTICOKE           | M-MS              | 1984-87   |                    | 1984-87      | 1984-87     |                           |                 |               |                            |
|             | LATITUDE 42 48 34 N                    | M-MS              | 1989      |                    | 1989         | 1989        |                           |                 |               |                            |
|             | LONGITUDE 80 04 35 W                   |                   |           |                    |              |             |                           |                 |               |                            |
|             | DRAINAGE AREA 181 km <sup>2</sup>      |                   |           |                    |              |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 27        |                    | 25           | 25          |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                  |                   |           |                    |              |             |                           |                 |               |                            |
| 02HM007     | NAPANEE RIVER AT CAMDEN EAST           | M-MS              | 1985-88   |                    | 1985-88      | 1985-88     |                           |                 |               |                            |
|             | LATITUDE 44 20 03 N                    | M-MS              | 1989      |                    | 1989         | 1989        |                           |                 |               |                            |
|             | LONGITUDE 78 50 15 W                   |                   |           |                    |              |             |                           |                 |               |                            |
|             | DRAINAGE AREA 894 km <sup>2</sup>      |                   |           |                    |              |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                |                   | 15        |                    | 13           | 15          |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                  |                   |           |                    |              |             |                           |                 |               |                            |

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| STATION NO. | NAME                                       | TYPE OF OPERATION | CONC. DATA | LOADS   | SUSPENDED SEDIMENT |             |                           | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------|-------------------|------------|---------|--------------------|-------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                            |                   |            |         | DISS. SOLIDS       | WATER TEMP. | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 02GA010     | NITH RIVER NEAR CANNING                    | M-MS              | 1979       |         |                    |             |                           |                 |               |                            |
|             | LATITUDE 43 11 28 N                        | M-MS              | 1985-87    |         | 1985-87            | 1985-87     | 1979                      |                 |               |                            |
|             | LONGITUDE 80 27 17 W                       |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 1 030 km <sup>2</sup>        |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 21         |         | 19                 | 18          |                           | 2               |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |         |                    |             |                           |                 |               |                            |
| 04MFO01     | NORTH FRENCH RIVER NEAR THE MOUTH          | M-MS              | 1983       |         |                    |             |                           |                 |               |                            |
|             | LATITUDE 51 05 00 N                        |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 80 48 00 W                       |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 6 880 km <sup>2</sup>        |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 3          |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |         |                    |             |                           |                 |               |                            |
| 02EA010     | NORTH MAGNETAWAN RIVER ABOVE PICKEREL LAKE | M-S               | 1978       | 1978    | 1978               | 1978        |                           |                 |               | 1980                       |
|             | LATITUDE 45 42 12 N                        | M-C               | 1978-82    | 1978-82 | 1978-82            | 1978-82     |                           |                 |               |                            |
|             | LONGITUDE 78 18 33 W                       |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 149 km <sup>2</sup>          |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 332        |         | 100                | 332         |                           |                 |               | 8                          |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |         |                    |             |                           |                 |               |                            |
| 02GD018     | NORTH THAMES RIVER NEAR THORNDALE          | M-MS              | 1985-88    |         | 1985-88            | 1985-88     |                           |                 |               |                            |
|             | LATITUDE 43 05 57 N                        |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 81 11 30 W                       |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 1 340 km <sup>2</sup>        |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 30         |         | 29                 | 28          |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                      |                   |            |         |                    |             |                           |                 |               |                            |
| 02ED003     | NOTTAWASAGA RIVER NEAR BAXTER              | M-MS              | 1970       |         | 1970               |             |                           |                 |               |                            |
|             | LATITUDE 44 14 55 N                        | M-MS              | 1980       |         | 1980               | 1980        |                           |                 |               |                            |
|             | LONGITUDE 78 49 20 W                       | M-C               | 1983-85    | 1983-85 | 1983-85            | 1983-85     | 1983                      |                 |               | 1983                       |
|             | DRAINAGE AREA 1 180 km <sup>2</sup>        | M-S               | 1985-88    | 1985-88 | 1985-88            | 1985-88     |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 432        |         | 101                | 337         | 1                         |                 |               | 5                          |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |         |                    |             |                           |                 |               |                            |
| 02GA032     | D.A.C. FARM GAUGE NO. 5 AT GUELPH          | M-S               | 1969       | 1969    | 1969               | 1969        | 1969                      |                 |               |                            |
|             | LATITUDE 43 31 53 N                        | M-C               | 1970-74    | 1970-74 | 1970-74            | 1970-74     | 1970-74                   |                 |               | 1974                       |
|             | LONGITUDE 80 18 18 W                       | M-S               | 1975-78    | 1975-78 | 1975-78            | 1975-78     | 1975-78                   |                 |               | 1975-78                    |
|             | DRAINAGE AREA 2.51 km <sup>2</sup>         | M-C               | 1977-82    | 1977-82 | 1977-82            | 1977-82     | 1977-81                   |                 |               | 1977-80                    |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 1989       |         | 888                | 1938        | 97                        |                 |               | 40                         |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |         |                    |             |                           |                 |               |                            |
| 04GB004     | OGOKI RIVER ABOVE WHITECLAY LAKE           | M-MS              | 1983       |         |                    |             |                           |                 |               |                            |
|             | LATITUDE 50 52 00 N                        |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 88 55 50 W                       |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA 11 200 km <sup>2</sup>       |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 2          |         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |         |                    |             |                           |                 |               |                            |
| 02KF005     | OTTAWA RIVER AT BRITANNIA                  | P-S               | 1971       |         | 1971               | 1971        |                           |                 |               |                            |
|             | LATITUDE 45 21 54 N                        | P-S               | 1972       | 1972    | 1972               | 1972        |                           |                 |               |                            |
|             | LONGITUDE 75 48 18 W                       | P-S               | 1973-78    |         | 1973-78            |             |                           |                 |               |                            |
|             | DRAINAGE AREA 80 900 km <sup>2</sup>       |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 301        |         | 240                |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                      |                   |            |         |                    |             |                           |                 |               |                            |
| 02LB010     | OTTAWA RIVER AT CUMBERLAND                 | P-S               | 1977-78    |         | 1977-78            |             |                           |                 |               |                            |
|             | LATITUDE 45 31 17 N                        |                   |            |         |                    |             |                           |                 |               |                            |
|             | LONGITUDE 75 24 45 W                       |                   |            |         |                    |             |                           |                 |               |                            |
|             | DRAINAGE AREA km <sup>2</sup>              |                   |            |         |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 113        |         | 40                 |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                      |                   |            |         |                    |             |                           |                 |               |                            |

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| STATION NO. | NAME                                                                               | TYPE OF OPERATION | CONC. DATA           | SUSPENDED SEDIMENT   |                      |                      | BED LOAD            |              | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------------------------------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|---------------------|--------------|----------------------------|
|             |                                                                                    |                   |                      | LOADS                | DISS. SOLIDS         | WATER TEMP.          | PARTICLE SIZE POINT | DEPTH        |                            |
|             |                                                                                    |                   |                      |                      |                      |                      |                     |              |                            |
| 02FF008     | PARKHILL CREEK ABOVE PARKHILL RESERVOIR                                            | M-MS              | 1985-88              |                      | 1985-88              | 1985-88              |                     |              |                            |
|             | LATITUDE 43 09 49 N<br>LONGITUDE 81 37 54 W<br>DRAINAGE AREA 110 km <sup>2</sup>   |                   |                      |                      |                      |                      |                     |              |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 25                   |                      | 24                   | 23                   |                     |              |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                      |                      |                      |                      |                     |              |                            |
| 02BB003     | PIC RIVER NEAR MARATHON                                                            | M-MS              | 1985-88              |                      | 1985-88              | 1985-88              |                     |              | 1985                       |
|             | LATITUDE 48 48 28 N<br>LONGITUDE 88 17 49 W<br>DRAINAGE AREA 4 270 km <sup>2</sup> |                   |                      |                      |                      |                      |                     |              |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 11                   |                      | 11                   | 10                   |                     |              | 1                          |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                      |                      |                      |                      |                     |              |                            |
| 02PD001     | PINE RIVER AT LURCAN                                                               | M-MS              | 1988-88              |                      | 1988-88              | 1988-88              |                     |              |                            |
|             | LATITUDE 44 05 40 N<br>LONGITUDE 81 43 31 W<br>DRAINAGE AREA 154 km <sup>2</sup>   |                   |                      |                      |                      |                      |                     |              |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 13                   |                      | 13                   | 11                   |                     |              |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                      |                      |                      |                      |                     |              |                            |
| 04PA003     | PINEMUTA RIVER AT EYES LAKE                                                        | M-MS              | 1983                 |                      |                      |                      |                     |              |                            |
|             | LATITUDE 52 18 30 N<br>LONGITUDE 88 45 15 W<br>DRAINAGE AREA 4 900 km <sup>2</sup> |                   |                      |                      |                      |                      |                     |              |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 3                    |                      |                      |                      |                     |              |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                      |                      |                      |                      |                     |              |                            |
| 04DA001     | PIPESTONE RIVER AT KARL LAKE                                                       | M-MS              | 1983                 |                      |                      |                      |                     |              |                            |
|             | LATITUDE 52 34 50 N<br>LONGITUDE 90 11 20 W<br>DRAINAGE AREA 5 980 km <sup>2</sup> |                   |                      |                      |                      |                      |                     |              |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 3                    |                      |                      |                      |                     |              |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                      |                      |                      |                      |                     |              |                            |
| 02MC001     | RAISIN RIVER NEAR WILLIAMSTOWN                                                     | M-MS<br>M-MS      | 1985<br>1988         |                      | 1985<br>1988         | 1985<br>1988         |                     |              |                            |
|             | LATITUDE 45 09 18 N<br>LONGITUDE 74 38 18 W<br>DRAINAGE AREA 404 km <sup>2</sup>   |                   |                      |                      |                      |                      |                     |              |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 8                    |                      | 8                    | 8                    |                     |              |                            |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                      |                      |                      |                      |                     |              |                            |
| 02HA014     | REDHILL CREEK AT HAMILTON                                                          | M-MS              | 1985-88              |                      | 1985-88              | 1985-88              |                     |              | 1985                       |
|             | LATITUDE 43 13 58 N<br>LONGITUDE 79 47 08 W<br>DRAINAGE AREA 80.9 km <sup>2</sup>  |                   |                      |                      |                      |                      |                     |              |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 31                   |                      | 30                   | 29                   |                     |              | 1                          |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                      |                      |                      |                      |                     |              |                            |
| 02HC039     | REESOR CREEK ABOVE GREEN RIVER                                                     | M-S<br>M-C<br>M-S | 1974<br>1975<br>1976 | 1974<br>1975<br>1976 | 1974<br>1975<br>1976 | 1974<br>1975<br>1976 |                     | 1974<br>1975 | 1974                       |
|             | LATITUDE 43 55 07 N<br>LONGITUDE 79 12 03 W<br>DRAINAGE AREA 38.3 km <sup>2</sup>  |                   |                      |                      |                      |                      |                     |              |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 294                  |                      | 284                  | 294                  |                     | 9            | 8                          |
|             | REMARK(S) - REGULATED                                                              |                   |                      |                      |                      |                      |                     |              |                            |
| 02HC040     | REESOR CREEK NEAR ALTONA                                                           | M-S<br>M-C<br>M-S | 1974<br>1975<br>1976 | 1974<br>1975<br>1976 | 1974<br>1975<br>1976 | 1974<br>1975<br>1976 |                     | 1974<br>1975 | 1974                       |
|             | LATITUDE 43 57 16 N<br>LONGITUDE 79 12 28 W<br>DRAINAGE AREA 15.0 km <sup>2</sup>  |                   |                      |                      |                      |                      |                     |              |                            |
|             | TOTAL NUMBER OF SAMPLES                                                            |                   | 288                  |                      | 290                  | 283                  |                     | 12           | 7                          |
|             | REMARK(S) - NATURAL FLOW                                                           |                   |                      |                      |                      |                      |                     |              |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                                | TYPE OF OPERATION         | CONC. DATA                            | SUSPENDED SEDIMENT |                                    |                                       | BED LOAD            |       | BED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------------------------------------------------------|---------------------------|---------------------------------------|--------------------|------------------------------------|---------------------------------------|---------------------|-------|----------------------------|
|             |                                                                                     |                           |                                       | LOADS              | DISS. SOLIDS                       | WATER TEMP.                           | PARTICLE SIZE POINT | DEPTH |                            |
| 04CA003     | ROSEBERRY RIVER ABOVE ROSEBERRY LAKES                                               | M-MS<br>M-MS              | 1978-80<br>1983-84                    |                    | 1984                               | 1978-80<br>1983-84                    |                     |       |                            |
|             | LATITUDE 82 38 20 N<br>LONGITUDE 82 32 15 W<br>DRAINAGE AREA 519 km <sup>2</sup>    |                           |                                       |                    |                                    |                                       |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                           | 30                                    |                    | 8                                  | 17                                    |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                           |                                       |                    |                                    |                                       |                     |       |                            |
| 02HC103     | ROUGE RIVER AT SCARBOROUGH                                                          | M-MS                      | 1975                                  |                    | 1975                               | 1975                                  |                     |       |                            |
|             | LATITUDE 43 48 40 N<br>LONGITUDE 79 09 35 W<br>DRAINAGE AREA 215 km <sup>2</sup>    |                           |                                       |                    |                                    |                                       |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                           | 8                                     |                    | 8                                  | 4                                     |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                           |                                       |                    |                                    |                                       |                     |       |                            |
|             |                                                                                     |                           |                                       |                    |                                    |                                       |                     |       |                            |
| 02HC022     | ROUGE RIVER NEAR MARKHAM                                                            | M-S<br>M-MS               | 1974-75<br>1989                       |                    | 1974-75<br>1989                    | 1974-75<br>1989                       |                     |       | 1975                       |
|             | LATITUDE 43 51 30 N<br>LONGITUDE 78 13 55 W<br>DRAINAGE AREA 185 km <sup>2</sup>    |                           |                                       |                    |                                    |                                       |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                           | 89                                    |                    | 89                                 | 89                                    |                     |       | 1                          |
|             | REMARK(S) - REGULATED SINCE 1988                                                    |                           |                                       |                    |                                    |                                       |                     |       |                            |
| 02SH002     | RUSCON RIVER NEAR RUSCON STATION                                                    | M-MS                      | 1985-88                               |                    | 1985-88                            | 1985-88                               |                     |       | 1987                       |
|             | LATITUDE 42 13 54 N<br>LONGITUDE 82 37 00 W<br>DRAINAGE AREA 125 km <sup>2</sup>    |                           |                                       |                    |                                    |                                       |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                           | 18                                    |                    | 18                                 | 14                                    |                     |       | 1                          |
|             | REMARK(S) - NATURAL FLOW                                                            |                           |                                       |                    |                                    |                                       |                     |       |                            |
| 04CB002     | SACHICO RIVER BELOW OUTLET OF SACHICO LAKE                                          | M-MS                      | 1983                                  |                    |                                    |                                       |                     |       |                            |
|             | LATITUDE 82 59 40 N<br>LONGITUDE 82 08 50 W<br>DRAINAGE AREA 4 270 km <sup>2</sup>  |                           |                                       |                    |                                    |                                       |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                           | 2                                     |                    |                                    |                                       |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                           |                                       |                    |                                    |                                       |                     |       |                            |
| 02HM003     | SALMON RIVER NEAR SHANNONVILLE                                                      | M-MS<br>M-MS              | 1985-86<br>1988                       |                    | 1985-86<br>1988                    | 1985-86<br>1988                       |                     |       |                            |
|             | LATITUDE 44 12 28 N<br>LONGITUDE 77 12 35 W<br>DRAINAGE AREA 881 km <sup>2</sup>    |                           |                                       |                    |                                    |                                       |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                           | 12                                    |                    | 12                                 | 8                                     |                     |       |                            |
|             | REMARK(S) - REGULATED                                                               |                           |                                       |                    |                                    |                                       |                     |       |                            |
| 02FC001     | SAUGREN RIVER NEAR PORT ELGIN                                                       | M-S<br>M-C<br>M-S<br>M-MS | 1975<br>1978-77<br>1978-79<br>1980-82 |                    | 1975<br>1978-77<br>1978-79<br>1980 | 1975<br>1978-77<br>1978-79<br>1980-82 |                     |       | 1975<br>1977               |
|             | LATITUDE 44 27 23 N<br>LONGITUDE 81 18 38 W<br>DRAINAGE AREA 3 860 km <sup>2</sup>  |                           |                                       |                    |                                    |                                       |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                           | 1138                                  |                    | 899                                | 1122                                  |                     | 12    | 8                          |
|             | REMARK(S) - NATURAL FLOW                                                            |                           |                                       |                    |                                    |                                       |                     |       |                            |
| 04CC001     | SEVERN RIVER AT LIMESTONE RAPIDS                                                    | M-MS<br>M-MS<br>M-MS      | 1975<br>1978-80<br>1984-85            |                    | 1975<br>1978-80<br>1984-85         | 1975<br>1978-80<br>1984-85            |                     |       |                            |
|             | LATITUDE 55 22 30 N<br>LONGITUDE 88 19 30 W<br>DRAINAGE AREA 84 300 km <sup>2</sup> |                           |                                       |                    |                                    |                                       |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                           | 18                                    |                    | 10                                 | 9                                     |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                           |                                       |                    |                                    |                                       |                     |       |                            |
| 04CA002     | SEVERN RIVER AT OUTLET OF MUSKRAT DAM LAKE                                          | M-MS                      | 1983                                  |                    |                                    |                                       |                     |       |                            |
|             | LATITUDE 53 39 27 N<br>LONGITUDE 81 30 55 W<br>DRAINAGE AREA 38 500 km <sup>2</sup> |                           |                                       |                    |                                    |                                       |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                           | 1                                     |                    |                                    |                                       |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                           |                                       |                    |                                    |                                       |                     |       |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                        | TYPE OF OPERATION                              | CONC. DATA                                                       | SUSPENDED SEDIMENT                                               |                                                                  |                                                                  | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|---------------------------------------------|------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|---------------------|-----------------|----------------------------|
|             |                                             |                                                |                                                                  | LOADS                                                            | DISS. SOLIDS                                                     | WATER TEMP.                                                      | PARTICLE SIZE POINT | VOLUME ON LOADS |                            |
| 04CA004     | SEVERN RIVER BELOW OUTLET OF DEER LAKE      | M-MS                                           | 1983                                                             |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | LATITUDE 52 40 30 N                         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | LONGITUDE 83 59 50 W                        |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | DRAINAGE AREA km <sup>2</sup>               |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                                                | 2                                                                |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW                    |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
| 02FE009     | SOUTH MAITLAND RIVER AT SUMMERHILL          | M-S<br>M-C<br>M-S<br>M-MS                      | 1984<br>1985<br>1986-87<br>1988                                  | 1984<br>1985<br>1986-87<br>1988                                  | 1984<br>1985<br>1986-87<br>1988                                  | 1984<br>1985<br>1986-87<br>1988                                  |                     |                 | 1985                       |
|             | LATITUDE 43 41 04 N                         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | LONGITUDE 81 32 38 W                        |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | DRAINAGE AREA 378 km <sup>2</sup>           |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                                                | 141                                                              | 64                                                               | 72                                                               |                                                                  | 1                   |                 |                            |
|             | REMARK(S) - NATURAL FLOW                    |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
| 02LB013     | SOUTH NATION RIVER AT CASSELMAN             | M-S<br>M-S                                     | 1978-80<br>1981-82                                               | 1978-80<br>1981-82                                               | 1978-77<br>1981-82                                               | 1978-80<br>1981-82                                               |                     |                 |                            |
|             | LATITUDE 45 19 01 N                         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | LONGITUDE 78 05 32 W                        |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | DRAINAGE AREA 2 410 km <sup>2</sup>         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                                                | 289                                                              | 80                                                               | 197                                                              |                                                                  |                     |                 | 1                          |
|             | REMARK(S) - REGULATED                       |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
| 02LB009     | SOUTH NATION RIVER AT CHESTERTVILLE         | M-MS                                           | 1978                                                             |                                                                  | 1978                                                             | 1978                                                             |                     |                 |                            |
|             | LATITUDE 45 08 03 N                         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | LONGITUDE 78 13 38 W                        |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | DRAINAGE AREA 1 050 km <sup>2</sup>         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                                                | 13                                                               | 13                                                               |                                                                  |                                                                  |                     |                 |                            |
|             | REMARK(S) - REGULATED                       |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
| 02LB015     | SOUTH NATION RIVER AT LEMIEUX               | M-S<br>M-S<br>M-S                              | 1972-74<br>1975-78<br>1977-82                                    |                                                                  | 1972-74<br>1975-78<br>1977-82                                    | 1972-74<br>1975-78<br>1977-82                                    |                     |                 | 1972-73<br>1975<br>1977    |
|             | LATITUDE 45 23 42 N                         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | LONGITUDE 78 03 58 W                        |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | DRAINAGE AREA km <sup>2</sup>               |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                                                | 730                                                              | 474                                                              | 811                                                              |                                                                  | 21                  |                 |                            |
|             | REMARK(S) - REGULATED                       |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
| 02LB014     | SOUTH NATION RIVER BELOW CASSELMAN          | M-S<br>M-MS                                    | 1972-74<br>1975                                                  |                                                                  | 1972-74<br>1975                                                  | 1972-73<br>1975-78                                               |                     |                 |                            |
|             | LATITUDE 45 18 18 N                         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | LONGITUDE 78 05 34 W                        |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | DRAINAGE AREA km <sup>2</sup>               |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                                                | 358                                                              | 347                                                              | 179                                                              |                                                                  |                     |                 |                            |
|             | REMARK(S) - REGULATED                       |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
| 02LB005     | SOUTH NATION RIVER NEAR PLANTAGENET SPRINGS | D-C<br>D-S<br>M-S<br>M-S<br>M-C<br>M-S<br>M-MS | 1972-74<br>1975<br>1978-80<br>1981<br>1982-83<br>1984-87<br>1988 | 1972-74<br>1975<br>1978-80<br>1981<br>1982-83<br>1984-87<br>1988 | 1972-74<br>1975<br>1978-78<br>1981<br>1982-83<br>1984-87<br>1988 | 1972-74<br>1975<br>1978-80<br>1981<br>1982-83<br>1984-87<br>1988 |                     |                 | 1972-73<br>1980            |
|             | LATITUDE 45 30 23 N                         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | LONGITUDE 74 57 20 W                        |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | DRAINAGE AREA 3 810 km <sup>2</sup>         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                                                | 1387                                                             | 820                                                              | 1282                                                             |                                                                  | 17                  |                 | 5                          |
|             | REMARK(S) - REGULATED                       |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
| 02GA040     | SPEED RIVER NEAR ARMSTRONG MILLS            | M-MS<br>M-MS                                   | 1988-87<br>1989                                                  |                                                                  | 1988-87<br>1989                                                  | 1988-87<br>1989                                                  |                     |                 |                            |
|             | LATITUDE 43 38 19 N                         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | LONGITUDE 80 18 12 W                        |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | DRAINAGE AREA 187 km <sup>2</sup>           |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                                                | 8                                                                | 8                                                                | 8                                                                |                                                                  |                     |                 |                            |
|             | REMARK(S) - REGULATED SINCE 1978            |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
| 02HC035     | STOUFFVILLE CREEK BELOW STOUFFVILLE         | M-S<br>M-C<br>M-S                              | 1974<br>1975<br>1978                                             | 1974<br>1975<br>1978                                             | 1974<br>1975<br>1978                                             | 1974<br>1975<br>1978                                             |                     |                 | 1974                       |
|             | LATITUDE 43 57 19 N                         |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | LONGITUDE 78 13 57 W                        |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | DRAINAGE AREA 15.3 km <sup>2</sup>          |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES                     |                                                | 286                                                              | 249                                                              | 280                                                              |                                                                  | 2                   |                 | 8                          |
|             | REMARK(S) - REGULATED                       |                                                |                                                                  |                                                                  |                                                                  |                                                                  |                     |                 |                            |

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| STATION NO. | NAME                                                                                | TYPE OF OPERATION        | CONC. DATA                         | SUSPENDED SEDIMENT                 |                                    |                                    |                               | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------------------------------------------------------|--------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------|-----------------|---------------|----------------------------|
|             |                                                                                     |                          |                                    | LOADS                              | DISS. SOLIDS                       | WATER TEMP.                        | PARTICLE SIZE POINT DEPTH     | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 02SH001     | STURGEON CREEK NEAR LEAMINGTON                                                      | M-S<br>M-C               | 1971<br>1972-78                    | 1971<br>1972-78                    | 1971<br>1972-78                    | 1971<br>1972-78                    | 1971<br>1972-78               |                 |               | 1971<br>1972               |
|             | LATITUDE 42 02 44 N<br>LONGITUDE 82 34 39 W<br>DRAINAGE AREA 14.2 km <sup>2</sup>   |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                          | 1000                               |                                    | 835                                | 888                                | 73                            |                 |               | 9                          |
|             | REMARK(S) - NATURAL FLOW                                                            |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
| 02SG003     | SYDENHAM RIVER AT FLORENCE                                                          | M-MS<br>M-S<br>M-MS      | 1985<br>1985<br>1987-88            | 1985<br>1985<br>1987-88            | 1985<br>1985<br>1987-88            | 1985<br>1985<br>1987-88            |                               |                 |               |                            |
|             | LATITUDE 42 39 00 N<br>LONGITUDE 82 00 32 W<br>DRAINAGE AREA 1 180 km <sup>2</sup>  |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                          | 88                                 |                                    | 35                                 | 50                                 |                               |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
| 02PB007     | SYDENHAM RIVER NEAR OWEN SOUND                                                      | M-MS                     | 1987-88                            |                                    | 1987-88                            | 1987-88                            |                               |                 |               |                            |
|             | LATITUDE 44 31 21 N<br>LONGITUDE 80 55 51 W<br>DRAINAGE AREA 181 km <sup>2</sup>    |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                          | 18                                 |                                    | 18                                 | 18                                 |                               |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
| 02CD018     | THAMES RIVER AT INCERSOLL                                                           | M-S<br>M-C<br>M-C<br>M-C | 1983<br>1984-87<br>1985-72<br>1973 | 1983<br>1984-87<br>1985-72<br>1973 | 1983<br>1984-87<br>1985-72<br>1973 | 1983<br>1984-87<br>1985-72<br>1973 | 1985-86<br>1985-86<br>1985-86 |                 |               | 1984-87<br>1985-71<br>1973 |
|             | LATITUDE 43 02 20 N<br>LONGITUDE 80 53 08 W<br>DRAINAGE AREA 518 km <sup>2</sup>    |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                          | 1260                               |                                    | 805                                | 1222                               | 15                            |                 |               | 74                         |
|             | REMARK(S) - REGULATED                                                               |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
| 02GD021     | THAMES RIVER AT INNERKIP                                                            | D-S<br>D-C<br>M-MS       | 1984<br>1985<br>1985-88            | 1984<br>1985<br>1985-88            | 1984<br>1985<br>1985-88            | 1984<br>1985<br>1985-88            |                               |                 |               |                            |
|             | LATITUDE 43 12 55 N<br>LONGITUDE 80 41 24 W<br>DRAINAGE AREA 148 km <sup>2</sup>    |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                          | 237                                |                                    | 47                                 | 125                                |                               |                 |               |                            |
|             | REMARK(S) - REGULATED                                                               |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
| 02CE003     | THAMES RIVER AT THAMESVILLE                                                         | M-MS<br>M-S<br>M-C       | 1987<br>1973<br>1974-78            | 1987<br>1973<br>1974-78            | 1987<br>1973<br>1974-78            | 1987<br>1973<br>1974-78            | 1987<br>1973<br>1974-78       |                 |               |                            |
|             | LATITUDE 42 32 42 N<br>LONGITUDE 81 58 04 W<br>DRAINAGE AREA 4 300 km <sup>2</sup>  |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                          | 486                                |                                    | 392                                | 452                                | 72                            | 34              |               |                            |
|             | REMARK(S) - REGULATED SINCE 1983                                                    |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
| 02HK004     | TRENT RIVER AT GLEN ROSS                                                            | M-MS                     | 1987-88                            |                                    | 1987-88                            | 1987-88                            |                               |                 |               |                            |
|             | LATITUDE 44 15 50 N<br>LONGITUDE 77 36 10 W<br>DRAINAGE AREA 12 000 km <sup>2</sup> |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                          | 27                                 |                                    | 28                                 | 20                                 |                               |                 |               |                            |
|             | REMARK(S) - REGULATED                                                               |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
| 02HA008     | TWENTY MILE CREEK AT BALLS FALLS                                                    | M-MS                     | 1987-88                            |                                    | 1987-88                            | 1987-88                            |                               |                 |               |                            |
|             | LATITUDE 43 08 02 N<br>LONGITUDE 78 23 00 W<br>DRAINAGE AREA 283 km <sup>2</sup>    |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                          | 7                                  |                                    | 7                                  | 7                                  |                               |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                            |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
| 02DB005     | WANAPITEI RIVER NEAR WANUP                                                          | M-MS                     | 1987                               |                                    | 1987                               | 1987                               |                               |                 |               |                            |
|             | LATITUDE 48 20 40 N<br>LONGITUDE 80 50 24 W<br>DRAINAGE AREA 3 130 km <sup>2</sup>  |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                             |                          | 1                                  |                                    | 1                                  | 1                                  |                               |                 |               |                            |
|             | REMARK(S) - REGULATED                                                               |                          |                                    |                                    |                                    |                                    |                               |                 |               |                            |

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| STATION NO. | NAME                                       | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             |                     | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|--------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|---------------|----------------------------|
|             |                                            |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 02HC038     | WEST DUFFINS CREEK ABOVE GREEN RIVER       | M-S               | 1974       | 1974               | 1974         | 1974        |                     |                 |               |                            |
|             |                                            | M-C               | 1975       | 1975               | 1975         | 1975        |                     |                 |               |                            |
|             |                                            | M-S               | 1978       | 1978               | 1978         | 1978        | 1974                |                 |               | 1974                       |
|             |                                            |                   |            |                    |              |             | 1975                |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             | LATITUDE 43 54 54 N                        |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 79 10 47 W                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 52.0 km <sup>2</sup>         |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 288        |                    | 288          | 288         |                     | 8               |               | 8                          |
|             | REMARK(S) - REGULATED                      |                   |            |                    |              |             |                     |                 |               |                            |
| 02HC025     | WEST DUFFINS CREEK AT GREEN RIVER          | M-S               | 1974       | 1974               | 1974         | 1974        |                     |                 |               |                            |
|             |                                            | M-C               | 1975       | 1975               | 1975         | 1975        |                     |                 |               |                            |
|             |                                            | M-S               | 1978       | 1978               | 1978         | 1978        | 1974                |                 |               | 1974                       |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             | LATITUDE 43 54 02 N                        |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 79 11 05 W                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 88.1 km <sup>2</sup>         |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 292        |                    | 292          | 292         |                     | 4               |               | 7                          |
|             | REMARK(S) - REGULATED                      |                   |            |                    |              |             |                     |                 |               |                            |
| 02HC041     | WEST DUFFINS CREEK NEAR ALTONA             | M-S               | 1974       | 1974               | 1974         | 1974        |                     |                 |               |                            |
|             |                                            | M-C               | 1975       | 1975               | 1975         | 1975        |                     |                 |               |                            |
|             |                                            | M-S               | 1978       | 1978               | 1978         | 1978        |                     |                 |               | 1974                       |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             | LATITUDE 43 57 31 N                        |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 79 11 20 W                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 21.7 km <sup>2</sup>         |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 281        |                    | 238          | 281         |                     |                 |               | 7                          |
|             | REMARK(S) - REGULATED                      |                   |            |                    |              |             |                     |                 |               |                            |
| 02HC108     | WEST DUFFINS CREEK NEAR PICKERING          | M-S               | 1974-77    | 1974-77            |              | 1974-77     |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             | LATITUDE 43 51 00 N                        |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 79 05 12 W                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 138 km <sup>2</sup>          |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 131        |                    | 107          | 131         |                     | 27              |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               | - DATA CONTRIBUTED BY 485  |
| 02HC008     | WEST DUFFINS RIVER NEAR THISTLETOWN        | M-S               | 1985       | 1985               | 1985         | 1985        |                     |                 |               |                            |
|             |                                            | M-MS              | 1986       |                    | 1986         |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             | LATITUDE 43 43 50 N                        |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 79 33 15 W                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 205 km <sup>2</sup>          |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 52         |                    | 21           | 52          |                     | 7               |               |                            |
|             | REMARK(S) - REGULATED                      |                   |            |                    |              |             |                     |                 |               |                            |
| 04CB001     | WINDIGO RIVER ABOVE MUSKRAT DAM LAKE       | M-MS              | 1983       |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             | LATITUDE 53 20 55 N                        |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 81 47 30 W                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 10 800 km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 2          |                    |              |             |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |                    |              |             |                     |                 |               |                            |
| 04DC001     | WINISK RIVER BELOW ASHEWEG RIVER TRIBUTARY | M-MS              | 1978-80    |                    |              | 1978        |                     |                 |               |                            |
|             |                                            | M-MS              | 1984-85    |                    |              | 1984-85     |                     |                 |               |                            |
|             |                                            | M-MS              | 1987-88    |                    |              | 1987-88     |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             | LATITUDE 54 31 00 N                        |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 87 14 00 W                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 50 000 km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 15         |                    | 5            | 5           |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |                    |              |             |                     |                 |               |                            |
| 02HC048     | WIXON CREEK BELOW ALTONA                   | M-S               | 1974       | 1974               | 1974         | 1974        |                     |                 |               |                            |
|             |                                            | M-C               | 1975       | 1975               | 1975         | 1975        |                     |                 |               |                            |
|             |                                            | M-S               | 1978       | 1978               | 1978         | 1978        | 1974                |                 |               | 1974                       |
|             |                                            |                   |            |                    |              |             | 1975                |                 |               |                            |
|             |                                            |                   |            |                    |              |             |                     |                 |               |                            |
|             | LATITUDE 43 57 38 N                        |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 79 10 57 W                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 10.6 km <sup>2</sup>         |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                    |                   | 284        |                    | 244          | 283         |                     | 11              |               | 8                          |
|             | REMARK(S) - NATURAL FLOW                   |                   |            |                    |              |             |                     |                 |               |                            |

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C - CONTINUOUS OPERATION  
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V - VOLUMETRIC MEASUREMENT

SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

## PRINCE EDWARD ISLAND

| STATION NO. | NAME                               | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |            | BED LOAD            |                 | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------|-------------------|------------|--------------------|--------------|------------|---------------------|-----------------|----------------------------|
|             |                                    |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE              |
| 01C8004     | BRUDENELL RIVER AT BRUDENELL       | M-S               | 1979       | 1979               |              | 1979       |                     |                 |                            |
|             | LATITUDE 48 12 07 N                | M-C               | 1980-85    | 1980-85            | 1984         | 1980-85    |                     |                 |                            |
|             | LONGITUDE 82 39 23 W               | M-C               | 1986-87    | 1986-87            | 1986-87      | 1986-87    |                     |                 |                            |
|             | DRAINAGE AREA 33.1 km <sup>2</sup> | M-S               | 1988       | 1988               | 1988         | 1988       |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES            |                   | 878        |                    | 80           | 828        |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW           |                   |            |                    |              |            |                     |                 |                            |
| 01C8003     | BRUDENELL RIVER NEAR BRUDENELL     | M-S               | 1988       | 1988               |              | 1988       |                     |                 |                            |
|             | LATITUDE 48 12 02 N                | M-C               | 1987-71    | 1987-71            | 1987-71      | 1987-71    | 1987                |                 | 1987-71                    |
|             | LONGITUDE 82 38 58 W               | M-C               | 1972-77    | 1972-77            | 1972-77      | 1972-77    | 1972                |                 | 1972                       |
|             | DRAINAGE AREA 38.0 km <sup>2</sup> | M-S               | 1978       | 1978               | 1978         | 1978       |                     |                 | 1978                       |
|             | TOTAL NUMBER OF SAMPLES            |                   | 945        |                    | 550          | 892        | 3                   |                 | 9                          |
|             | REMARK(S) - NATURAL FLOW           |                   |            |                    |              |            |                     |                 |                            |
| 01C8010     | DAMES BROOK NEAR NEWTON            | M-S               | 1974-75    | 1974-75            |              | 1974-75    |                     |                 |                            |
|             | LATITUDE 48 20 49 N                |                   |            |                    |              |            |                     |                 |                            |
|             | LONGITUDE 83 33 19 W               |                   |            |                    |              |            |                     |                 |                            |
|             | DRAINAGE AREA 18.2 km <sup>2</sup> |                   |            |                    |              |            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES            |                   | 108        |                    |              | 75         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW           |                   |            |                    |              |            |                     |                 |                            |
|             |                                    |                   |            |                    |              |            |                     |                 |                            |
| 01C8011     | DUNK RIVER ABOVE SCALES POND       | M-MS              | 1974       |                    |              | 1974       |                     |                 |                            |
|             | LATITUDE 48 20 55 N                |                   |            |                    |              |            |                     |                 |                            |
|             | LONGITUDE 83 34 40 W               |                   |            |                    |              |            |                     |                 |                            |
|             | DRAINAGE AREA 80.8 km <sup>2</sup> |                   |            |                    |              |            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES            |                   | 54         |                    |              | 56         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW           |                   |            |                    |              |            |                     |                 |                            |
|             |                                    |                   |            |                    |              |            |                     |                 |                            |
| 01C8009     | DUNK RIVER AT MCKENNA'S BRIDGE     | M-S               | 1974-75    | 1974-75            |              | 1974-75    |                     |                 |                            |
|             | LATITUDE 48 21 08 N                |                   |            |                    |              |            |                     |                 |                            |
|             | LONGITUDE 83 32 32 W               |                   |            |                    |              |            |                     |                 |                            |
|             | DRAINAGE AREA 53.1 km <sup>2</sup> |                   |            |                    |              |            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES            |                   | 82         |                    |              | 82         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW           |                   |            |                    |              |            |                     |                 |                            |
|             |                                    |                   |            |                    |              |            |                     |                 |                            |
| 01C8002     | DUNK RIVER AT WALL ROAD            | M-S               | 1974-75    | 1974-75            |              | 1974-75    |                     |                 |                            |
|             | LATITUDE 48 20 45 N                |                   |            |                    |              |            |                     |                 |                            |
|             | LONGITUDE 83 38 03 W               |                   |            |                    |              |            |                     |                 |                            |
|             | DRAINAGE AREA 114 km <sup>2</sup>  |                   |            |                    |              |            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES            |                   | 180        |                    |              | 110        |                     |                 |                            |
|             | REMARK(S) - REGULATED              |                   |            |                    |              |            |                     |                 |                            |
| 01C8013     | DUNK RIVER BELOW SCALES POND       | M-S               | 1974       | 1974               |              | 1974       |                     |                 |                            |
|             | LATITUDE 48 20 38 N                |                   |            |                    |              |            |                     |                 |                            |
|             | LONGITUDE 83 38 40 W               |                   |            |                    |              |            |                     |                 |                            |
|             | DRAINAGE AREA 98.8 km <sup>2</sup> |                   |            |                    |              |            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES            |                   | 82         |                    |              | 58         |                     |                 |                            |
|             | REMARK(S) - REGULATED              |                   |            |                    |              |            |                     |                 |                            |
|             |                                    |                   |            |                    |              |            |                     |                 |                            |
| 01C8008     | DUNK RIVER NEAR BREADALBANE        | M-S               | 1974-75    | 1974-75            |              | 1974-75    |                     |                 |                            |
|             | LATITUDE 48 21 08 N                |                   |            |                    |              |            |                     |                 |                            |
|             | LONGITUDE 83 29 18 W               |                   |            |                    |              |            |                     |                 |                            |
|             | DRAINAGE AREA 19.8 km <sup>2</sup> |                   |            |                    |              |            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES            |                   | 84         |                    |              | 85         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW           |                   |            |                    |              |            |                     |                 |                            |
|             |                                    |                   |            |                    |              |            |                     |                 |                            |
| 01C8007     | EAST BRANCH DUNK RIVER AT ELLIOTT  | M-S               | 1974-75    | 1974-75            |              | 1974-75    |                     |                 |                            |
|             | LATITUDE 48 21 47 N                |                   |            |                    |              |            |                     |                 |                            |
|             | LONGITUDE 83 27 48 W               |                   |            |                    |              |            |                     |                 |                            |
|             | DRAINAGE AREA 10.7 km <sup>2</sup> |                   |            |                    |              |            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES            |                   | 116        |                    |              | 77         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW           |                   |            |                    |              |            |                     |                 |                            |
|             |                                    |                   |            |                    |              |            |                     |                 |                            |
| 01C8012     | ELMO RIVER NEAR SCALES POND        | M-S               | 1974-75    | 1974-75            |              | 1974-75    |                     |                 |                            |
|             | LATITUDE 48 20 19 N                |                   |            |                    |              |            |                     |                 |                            |
|             | LONGITUDE 83 35 52 W               |                   |            |                    |              |            |                     |                 |                            |
|             | DRAINAGE AREA 7.90 km <sup>2</sup> |                   |            |                    |              |            |                     |                 |                            |
|             | TOTAL NUMBER OF SAMPLES            |                   | 85         |                    |              | 55         |                     |                 |                            |
|             | REMARK(S) - NATURAL FLOW           |                   |            |                    |              |            |                     |                 |                            |
|             |                                    |                   |            |                    |              |            |                     |                 |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES



PRINCE EDWARD ISLAND

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| STATION NO. | NAME                            | TYPE OF OPERATION               | CONC. DATA                                    | LOADS                                         | SUSPENDED SEDIMENT                            |                                               | WATER TEMP. | PARTICLE SIZE |       | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|---------------------------------|---------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-------------|---------------|-------|-----------------|---------------|----------------------------|
|             |                                 |                                 |                                               |                                               | DISS. SOLIDS                                  |                                               |             | POINT         | DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 01CB008     | EMERALD BROOK NEAR EMERALD      | D-S<br>D-C<br>M-C               | 1974<br>1975-78<br>1977-81                    | 1974<br>1975-78<br>1977-81                    | 1974<br>1975-78<br>1977-79                    | 1974<br>1975-78<br>1977-81                    |             |               |       |                 |               | 1979                       |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               | 554                                           |                                               | 188                                           | 220         |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW        |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
| 01CB009     | NORTH BROOK NEAR WALL ROAD      | M-S<br>M-C<br>D-C<br>M-C<br>M-C | 1971<br>1972-73<br>1974<br>1975-83<br>1984-87 | 1971<br>1973-73<br>1974<br>1975-83<br>1984-87 | 1971<br>1972-73<br>1974<br>1975-78<br>1984-87 | 1971<br>1972-73<br>1974<br>1975-83<br>1984-87 |             |               |       |                 |               | 1974<br>1979               |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               | 1089                                          |                                               | 328                                           | 953         |               | 2     |                 |               | 3                          |
|             | REMARK(S) - NATURAL FLOW        |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
| 01CA004     | SHELT CREEK NEAR ELLERSLIE      | M-S<br>M-C<br>M-MS              | 1987<br>1988-72<br>1973                       | 1987<br>1989-72<br>1973                       | 1987<br>1988-72<br>1973                       | 1987<br>1988-72<br>1973                       |             |               |       |                 |               | 1987<br>1988-72            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               | 274                                           |                                               | 235                                           | 232         |               |       |                 |               | 8                          |
|             | REMARK(S) - NATURAL FLOW        |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
| 01CB014     | SOUTHWEST BROOK NEAR WIDDLETON  | M-S                             | 1974-78                                       | 1974-78                                       |                                               | 1974-78                                       |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               | 89                                            |                                               | 58                                            |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW        |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             | - DATA CONTRIBUTED BY S15       |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
| 01CB004     | WILMOT RIVER NEAR WILMOT VALLEY | M-C<br>M-C<br>M-C<br>M-S        | 1972-77<br>1978-83<br>1984-85<br>1987-88      | 1972-77<br>1978-83<br>1984-85<br>1987-88      | 1972-77<br>1978-83<br>1984-85<br>1987-88      | 1972-77<br>1978-83<br>1984-85<br>1987-88      |             |               |       |                 |               | 1974<br>1978               |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |
|             |                                 |                                 |                                               | 970                                           |                                               | 278                                           | 788         |               | 4     |                 |               | 3                          |
|             | REMARK(S) - NATURAL FLOW        |                                 |                                               |                                               |                                               |                                               |             |               |       |                 |               |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO | NAME                                                                                                           | TYPE OF OPERATION | CONC. DATA | LOADS | SUSPENDED SEDIMENT |             |                           | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|------------|----------------------------------------------------------------------------------------------------------------|-------------------|------------|-------|--------------------|-------------|---------------------------|-----------------|---------------|----------------------------|
|            |                                                                                                                |                   |            |       | DISS. SOLIDS       | WATER TEMP. | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 020E041    | ASCOT (RIVIERE) A MARTINVILLE                                                                                  | M-MS              | 1975       |       |                    |             |                           |                 |               |                            |
|            | LATITUDE 45 18 15 N<br>LONGITUDE 71 43 17 W<br>LAND DESCRIPTION 030229<br>DRAINAGE AREA km <sup>2</sup>        |                   |            |       |                    |             |                           |                 |               |                            |
|            | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 1          |       |                    |             |                           |                 |               |                            |
|            | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 020E042    | ASCOT (RIVIERE) PRES DU RUISSEAU HASELTINE                                                                     | M-MS              | 1975       |       |                    |             |                           |                 |               |                            |
|            | LATITUDE 45 18 28 N<br>LONGITUDE 71 44 23 W<br>LAND DESCRIPTION 030246<br>DRAINAGE AREA 214 km <sup>2</sup>    |                   |            |       |                    |             |                           |                 |               |                            |
|            | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 7          |       |                    |             |                           |                 |               |                            |
|            | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 03E0001    | BALEINE (GRANDE RIVIERE DE LA) A LA SORTIE DU LAC BIENVILLE                                                    | M-MS              | 1973       |       |                    |             |                           |                 |               |                            |
|            | LATITUDE 54 50 57 N<br>LONGITUDE 73 59 01 W<br>LAND DESCRIPTION 093808<br>DRAINAGE AREA 21 000 km <sup>2</sup> |                   |            |       |                    |             |                           |                 |               |                            |
|            | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 4          |       |                    |             |                           |                 |               |                            |
|            | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 03E0004    | BALEINE (GRANDE RIVIERE DE LA) A LA SORTIE DU LAC MAGNE                                                        | M-MS              | 1973-74    |       |                    |             |                           |                 |               |                            |
|            | LATITUDE 55 18 36 N<br>LONGITUDE 71 12 14 W<br>LAND DESCRIPTION 093808<br>DRAINAGE AREA 7 720 km <sup>2</sup>  |                   |            |       |                    |             |                           |                 |               |                            |
|            | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 03E0002    | BALEINE (GRANDE RIVIERE DE LA) PRES DE L'EMBOUCHURE                                                            | M-MS              | 1973-74    |       |                    |             |                           |                 |               |                            |
|            | LATITUDE 55 17 10 N<br>LONGITUDE 71 35 14 W<br>LAND DESCRIPTION 093803<br>DRAINAGE AREA 43 200 km <sup>2</sup> |                   |            |       |                    |             |                           |                 |               |                            |
|            | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 8          |       |                    |             |                           |                 |               |                            |
|            | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 01EG006    | BASTIEN (RUISSEAU) EN AMONT DU PONT                                                                            | M-MS              | 1969-72    |       |                    |             |                           |                 |               |                            |
|            | LATITUDE 48 08 35 N<br>LONGITUDE 68 07 37 W<br>LAND DESCRIPTION 012801<br>DRAINAGE AREA 12.4 km <sup>2</sup>   |                   |            |       |                    |             |                           |                 |               |                            |
|            | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 94         |       |                    |             |                           |                 |               |                            |
|            | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 02PA007    | BATISCAN (RIVIERE) EN AVAL DE LA RIVIERE DES ENVIES                                                            | M-                | 1973-79    |       |                    |             | 1977-79                   |                 |               |                            |
|            | LATITUDE 46 38 01 N<br>LONGITUDE 72 24 17 W<br>LAND DESCRIPTION 090304<br>DRAINAGE AREA 4 480 km <sup>2</sup>  |                   |            |       |                    |             |                           |                 |               |                            |
|            | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 802        |       |                    |             | 203                       |                 |               |                            |
|            | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 02PL008    | BECANCOUR (RIVIERE) A BECANCOUR                                                                                | M-MS              | 1973-79    |       |                    |             | 1977-79                   |                 |               |                            |
|            | LATITUDE 46 31 10 N<br>LONGITUDE 72 26 22 W<br>LAND DESCRIPTION 024009<br>DRAINAGE AREA 2 800 km <sup>2</sup>  |                   |            |       |                    |             |                           |                 |               |                            |
|            | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 356        |       |                    |             | 229                       |                 |               |                            |
|            | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |             |                           |                 |               | - DATA CONTRIBUTED BY 740  |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                                                           | TYPE OF OPERATION | CONC. DATA | LOADS                     | SUSPENDED SEDIMENT |             |                     | BED LOAD        |               | SED. MATERIAL |               |
|-------------|----------------------------------------------------------------------------------------------------------------|-------------------|------------|---------------------------|--------------------|-------------|---------------------|-----------------|---------------|---------------|---------------|
|             |                                                                                                                |                   |            |                           | DISS. SOLIDS       | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE | PARTICLE SIZE | PARTICLE SIZE |
| 02PL008     | SECANCOUR (RIVIERE) A<br>SAVELLILLE                                                                            | M-MS              | 1970-74    |                           |                    |             |                     |                 |               |               |               |
|             | LATITUDE 48 12 51 N<br>LONGITUDE 72 08 38 W<br>LAND DESCRIPTION 024002<br>DRAINAGE AREA 2 210 km <sup>2</sup>  |                   |            |                           |                    |             |                     |                 |               |               |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 399                       |                    |             |                     |                 |               |               |               |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                     |                 |               |               |               |
| 03AC004     | BELL (RIVIERE) EN AMONT DU LAC<br>MATAGAMI                                                                     | M-MS              | 1972       |                           |                    |             |                     |                 |               |               |               |
|             | LATITUDE 49 45 11 N<br>LONGITUDE 77 38 52 W<br>LAND DESCRIPTION 030707<br>DRAINAGE AREA 22 200 km <sup>2</sup> |                   |            |                           |                    |             |                     |                 |               |               |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 2                         |                    |             |                     |                 |               |               |               |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                     |                 |               |               |               |
| 020A016     | SIC (RIVIERE DU)                                                                                               | M-MS              | 1970-72    |                           |                    |             |                     |                 |               |               |               |
|             | LATITUDE 48 22 25 N<br>LONGITUDE 68 42 18 W<br>LAND DESCRIPTION 022101<br>DRAINAGE AREA 180 km <sup>2</sup>    |                   |            |                           |                    |             |                     |                 |               |               |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 258                       |                    |             |                     |                 |               |               |               |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                     |                 |               |               |               |
| 032U001     | GRADABACK (RIVIERE) EN AMONT DU<br>LAC EVANG                                                                   | M-MS              | 1972       |                           |                    |             |                     |                 |               |               |               |
|             | LATITUDE 50 47 14 N<br>LONGITUDE 78 43 13 W<br>LAND DESCRIPTION 030802<br>DRAINAGE AREA 10 800 km <sup>2</sup> |                   |            |                           |                    |             |                     |                 |               |               |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 2                         |                    |             |                     |                 |               |               |               |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                     |                 |               |               |               |
| 020B010     | SULSTRODE (RIVIERE) A<br>SAINT-VALERE-1                                                                        | M-MS              | 1974-75    |                           |                    |             |                     |                 |               |               |               |
|             | LATITUDE 48 00 12 N<br>LONGITUDE 71 58 44 W<br>LAND DESCRIPTION 030108<br>DRAINAGE AREA 242 km <sup>2</sup>    |                   |            |                           |                    |             |                     |                 |               |               |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 210                       |                    |             |                     |                 |               |               |               |
|             | REMARK(S) - REGULATED                                                                                          |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                     |                 |               |               |               |
| 020D011     | SULSTRODE (RIVIERE) EN AMONT DE<br>LA ROUTE NO. 118                                                            | M-MS              | 1974-75    |                           |                    |             |                     |                 |               |               |               |
|             | LATITUDE 48 08 19 N<br>LONGITUDE 71 48 34 W<br>LAND DESCRIPTION 030110<br>DRAINAGE AREA 248 km <sup>2</sup>    |                   |            |                           |                    |             |                     |                 |               |               |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 872                       |                    |             |                     |                 |               |               |               |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                     |                 |               |               |               |
| 02PD018     | CAP-ROUSE (RIVIERE DU)                                                                                         | M-MS              | 1978-79    |                           |                    |             |                     |                 |               |               |               |
|             | LATITUDE 48 45 51 N<br>LONGITUDE 71 21 28 W<br>LAND DESCRIPTION 033801<br>DRAINAGE AREA 70.7 km <sup>2</sup>   |                   |            |                           |                    |             |                     |                 |               |               |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 821                       |                    |             |                     | 291             |               |               |               |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                     |                 |               |               |               |
| 02NP001     | CHANDUCHOUARD (RIVIERE) A LA<br>CHUTE A MICHEL                                                                 | M-MS              | 1988-74    |                           |                    |             |                     |                 |               |               |               |
|             | LATITUDE 48 41 11 N<br>LONGITUDE 72 28 17 W<br>LAND DESCRIPTION 081801<br>DRAINAGE AREA 15 300 km <sup>2</sup> |                   |            |                           |                    |             |                     |                 |               |               |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 888                       |                    |             |                     |                 |               |               |               |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                     |                 |               |               |               |

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| STATION NO. | NAME                                                                                                          | TYPE OF OPERATION | CONC DATA                 | SUSPENDED SEDIMENT |              |             | BED LOAD            |       | BED MATERIAL PARTICLE SIZE |
|-------------|---------------------------------------------------------------------------------------------------------------|-------------------|---------------------------|--------------------|--------------|-------------|---------------------|-------|----------------------------|
|             |                                                                                                               |                   |                           | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH |                            |
| 020A084     | CHATEAUGUAY (RIVIERE) EN AMONT DE LA ROUTE NO. 132                                                            | M-MS              | 1988-79                   |                    |              | 1977-79     |                     |       |                            |
|             | LATITUDE 48 19 55 N<br>LONGITUDE 73 45 43 W<br>LAND DESCRIPTION 030905<br>DRAINAGE AREA 2 900 km <sup>2</sup> |                   |                           |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 1858                      |                    |              | 152         |                     |       |                            |
|             | REMARK(S) - REGULATED                                                                                         |                   | - DATA CONTRIBUTED BY 740 |                    |              |             |                     |       |                            |
| 02PJ005     | CHAUDIERE (RIVIERE) A SAINT-LAMBERT-DE-LEVIS                                                                  | M-MS              | 1988-79                   |                    |              | 1977-79     |                     |       |                            |
|             | LATITUDE 48 35 18 N<br>LONGITUDE 71 12 59 W<br>LAND DESCRIPTION 023402<br>DRAINAGE AREA 5 820 km <sup>2</sup> |                   |                           |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 1849                      |                    |              | 203         |                     |       |                            |
|             | REMARK(S) - REGULATED                                                                                         |                   | - DATA CONTRIBUTED BY 740 |                    |              |             |                     |       |                            |
| 02PJ016     | CHAUDIERE (RIVIERE) A SAINT-MARTIN                                                                            | M-MS              | 1988-74                   |                    |              |             |                     |       |                            |
|             | LATITUDE 48 57 30 N<br>LONGITUDE 70 38 30 W<br>LAND DESCRIPTION 023414<br>DRAINAGE AREA 2 010 km <sup>2</sup> |                   |                           |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 856                       |                    |              |             |                     |       |                            |
|             | REMARK(S) - REGULATED                                                                                         |                   | - DATA CONTRIBUTED BY 740 |                    |              |             |                     |       |                            |
| 02PK005     | CHENE (PETIT RIVIERE DU) A SAINTE-CECILE-DE-LEVRARD                                                           | M-MS              | 1980-81                   |                    |              | 1980-81     |                     |       |                            |
|             | LATITUDE 48 30 00 N<br>LONGITUDE 72 08 28 W<br>LAND DESCRIPTION 023701<br>DRAINAGE AREA 356 km <sup>2</sup>   |                   |                           |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 162                       |                    |              | 118         |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                      |                   | - DATA CONTRIBUTED BY 740 |                    |              |             |                     |       |                            |
| 020A080     | CHENE (RIVIERE DU) A LA FRESNIERE                                                                             | M-MS              | 1977-79                   |                    |              | 1977-79     |                     |       |                            |
|             | LATITUDE 48 33 37 N<br>LONGITUDE 73 58 40 W<br>LAND DESCRIPTION 048701<br>DRAINAGE AREA 200 km <sup>2</sup>   |                   |                           |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 168                       |                    |              | 186         |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                      |                   | - DATA CONTRIBUTED BY 740 |                    |              |             |                     |       |                            |
| 02PE014     | DAUPHINE (RIVIERE)                                                                                            | M-MS              | 1980                      |                    |              | 1980        |                     |       |                            |
|             | LATITUDE 48 58 00 N<br>LONGITUDE 70 51 23 W<br>LAND DESCRIPTION 120201<br>DRAINAGE AREA 24.9 km <sup>2</sup>  |                   |                           |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 123                       |                    |              | 120         |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                      |                   | - DATA CONTRIBUTED BY 740 |                    |              |             |                     |       |                            |
| 020G026     | DAVID (RIVIERE) A SAINT-DAVID                                                                                 | M-MS              | 1975                      |                    |              |             |                     |       |                            |
|             | LATITUDE 48 57 13 N<br>LONGITUDE 72 51 34 W<br>LAND DESCRIPTION 030316<br>DRAINAGE AREA 342 km <sup>2</sup>   |                   |                           |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 5                         |                    |              |             |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                      |                   | - DATA CONTRIBUTED BY 740 |                    |              |             |                     |       |                            |
| 020E033     | EATON (RIVIERE) A SAWYERVILLE                                                                                 | M-MS              | 1989-72                   |                    |              |             |                     |       |                            |
|             | LATITUDE 48 20 28 N<br>LONGITUDE 71 34 04 W<br>LAND DESCRIPTION 030242<br>DRAINAGE AREA 187 km <sup>2</sup>   |                   |                           |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 855                       |                    |              |             |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                      |                   | - DATA CONTRIBUTED BY 740 |                    |              |             |                     |       |                            |

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| STATION NO. | NAME                                                                                                           | TYPE OF OPERATION | CONC. DATA | LOADS | SUSPENDED SEDIMENT |  | WATER TEMP. | PARTICLE SIZE |       | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------------------------------------------------------------------------------|-------------------|------------|-------|--------------------|--|-------------|---------------|-------|-----------------|---------------|----------------------------|
|             |                                                                                                                |                   |            |       | DISS. SOLIDS       |  |             | POINT         | DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 020R027     | EATON (RIVIERE) PRES DE LA RIVIERE SAINT-FRANCOIS-3                                                            | M-MS              | 1972-75    |       |                    |  |             |               |       |                 |               |                            |
|             | LATITUDE 45 28 02 N<br>LONGITUDE 71 38 19 W<br>LAND DESCRIPTION 030234<br>DRAINAGE AREA 842 km <sup>2</sup>    |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 429        |       |                    |  |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |  |             |               |       |                 |               | - DATA CONTRIBUTED BY 740  |
| 02PD013     | EAUX VOLEES (RUISSEAU DES) PRES DE LA RIVIERE MONTMORENCY                                                      | M-MS              | 1988-72    |       |                    |  |             |               |       |                 |               |                            |
|             | LATITUDE 47 18 15 N<br>LONGITUDE 71 08 15 W<br>LAND DESCRIPTION 081003<br>DRAINAGE AREA 8.17 km <sup>2</sup>   |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 178        |       |                    |  |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |  |             |               |       |                 |               | - DATA CONTRIBUTED BY 740  |
| 02PH009     | ETCHEMIN (RIVIERE) A SAINT-HENRI                                                                               | M-MS              | 1980-81    |       |                    |  | 1980-81     |               |       |                 |               |                            |
|             | LATITUDE 48 43 44 N<br>LONGITUDE 71 08 13 W<br>LAND DESCRIPTION 023302<br>DRAINAGE AREA 1 420 km <sup>2</sup>  |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 183        |       |                    |  | 171         |               |       |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |            |       |                    |  |             |               |       |                 |               | - DATA CONTRIBUTED BY 740  |
| 02PJ030     | FAMINE (RIVIERE) A SAINT-GEORGES                                                                               | M-MS              | 1971-73    |       |                    |  |             |               |       |                 |               |                            |
|             | LATITUDE 48 09 51 N<br>LONGITUDE 70 38 23 W<br>LAND DESCRIPTION 023422<br>DRAINAGE AREA 891 km <sup>2</sup>    |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 144        |       |                    |  |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |  |             |               |       |                 |               | - DATA CONTRIBUTED BY 740  |
| 03DC005     | FONTANGES (BASSIN) A LA DICUE KD-18                                                                            | M-MS              | 1972-74    |       |                    |  |             |               |       |                 |               |                            |
|             | LATITUDE 54 35 00 N<br>LONGITUDE 71 18 30 W<br>LAND DESCRIPTION 082721<br>DRAINAGE AREA 38 800 km <sup>2</sup> |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 5          |       |                    |  |             |               |       |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |            |       |                    |  |             |               |       |                 |               | - DATA CONTRIBUTED BY 740  |
| 03DC002     | GRANDE RIVIERE (LA) EN AMONT DE LA RIVIERE DE PORTOIS                                                          | M-MS              | 1973       |       |                    |  |             |               |       |                 |               |                            |
|             | LATITUDE 53 37 40 N<br>LONGITUDE 74 31 35 W<br>LAND DESCRIPTION 082703<br>DRAINAGE AREA 37 000 km <sup>2</sup> |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 3          |       |                    |  |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |  |             |               |       |                 |               | - DATA CONTRIBUTED BY 740  |
| 03DF001     | GRANDE RIVIERE (LA) EN AVAL DE LA RIVIERE ACAZI                                                                | M-MS              | 1973-74    |       |                    |  |             |               |       |                 |               |                            |
|             | LATITUDE 53 43 48 N<br>LONGITUDE 78 34 24 W<br>LAND DESCRIPTION 082704<br>DRAINAGE AREA 98 800 km <sup>2</sup> |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 12         |       |                    |  |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |  |             |               |       |                 |               | - DATA CONTRIBUTED BY 740  |
| 03DC001     | GRANDE RIVIERE (LA) EN AVAL DE LA RIVIERE SAKAMI                                                               | M-MS              | 1973       |       |                    |  |             |               |       |                 |               |                            |
|             | LATITUDE 53 40 55 N<br>LONGITUDE 78 47 34 W<br>LAND DESCRIPTION 082702<br>DRAINAGE AREA 74 100 km <sup>2</sup> |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 3          |       |                    |  |             |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            |       |                    |  |             |               |       |                 |               | - DATA CONTRIBUTED BY 740  |

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| STATION NO. | NAME                                                                                                                                                                                                | TYPE OF OPERATION | CONC. DATA | LOADS | SUSPENDED SEDIMENT | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | PARTICLE SIZE DEPTH | VOLUME OR LOADS | PARTICLE SIZE | MATERIAL PARTICLE SIZE |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|-------|--------------------|--------------|-------------|---------------------|---------------------|-----------------|---------------|------------------------|
| 02DA002     | GRANDE RIVIERE (LA) EN AVAL DU LAC PUISSEAU                                                                                                                                                         | M-MS              | 1973       |       |                    |              |             |                     |                     |                 |               |                        |
|             | LATITUDE 53 35 58 N<br>LONGITUDE 71 11 38 W<br>LAND DESCRIPTION 092722<br>DRAINAGE AREA 12 800 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 4<br>REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY 740   |                   |            |       |                    |              |             |                     |                     |                 |               |                        |
| 04NA001     | HARRICANA (RIVIERE) A AMOS                                                                                                                                                                          | M-MS              | 1988-78    |       |                    |              |             |                     |                     |                 |               |                        |
|             | LATITUDE 48 38 02 N<br>LONGITUDE 78 08 34 W<br>LAND DESCRIPTION 080101<br>DRAINAGE AREA 3 880 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 1558<br>REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY 740 |                   |            |       |                    |              |             |                     |                     |                 |               |                        |
| 02PJ034     | HENRI (BRAS D')                                                                                                                                                                                     | M-MS              | 1980-81    |       |                    |              |             |                     |                     |                 |               |                        |
|             | LATITUDE 48 32 25 N<br>LONGITUDE 71 30 20 W<br>LAND DESCRIPTION 023433<br>DRAINAGE AREA 137 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 235<br>REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY 740    |                   |            |       |                    |              |             |                     |                     |                 |               |                        |
| 02GJ024     | MURONS (RIVIERE DES) EN AVAL DU RUISSEAU SAINT-LOUIS-2                                                                                                                                              | M-MS              | 1972-78    |       |                    |              |             |                     |                     |                 |               |                        |
|             | LATITUDE 45 39 25 N<br>LONGITUDE 73 11 13 W<br>LAND DESCRIPTION 030415<br>DRAINAGE AREA 287 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 1298<br>REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY 740   |                   |            |       |                    |              |             |                     |                     |                 |               |                        |
| 02FC003     | JACOUES-CARTIER (RIVIERE) PRES DE SAINT-GABRIEL                                                                                                                                                     | M-MS              | 1972-73    |       |                    |              |             |                     |                     |                 |               |                        |
|             | LATITUDE 48 53 23 N<br>LONGITUDE 71 31 38 W<br>LAND DESCRIPTION 050801<br>DRAINAGE AREA 2 010 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 85<br>REMARK(S) - REGULATED - DATA CONTRIBUTED BY 740      |                   |            |       |                    |              |             |                     |                     |                 |               |                        |
| 02BB003     | KANARUPSCOW (RIVIERE) EN AMONT DU RUISSEAU POUTRE-2                                                                                                                                                 | M-MS              | 1972-74    |       |                    |              |             |                     |                     |                 |               |                        |
|             | LATITUDE 53 45 23 N<br>LONGITUDE 78 58 39 W<br>LAND DESCRIPTION 092708<br>DRAINAGE AREA 18 800 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 8<br>REMARK(S) - NATURAL FLOW - DATA CONTRIBUTED BY 740   |                   |            |       |                    |              |             |                     |                     |                 |               |                        |
| 0208004     | L'ASSOMPTION (RIVIERE) A CHARLEMACHE                                                                                                                                                                | M-MS              | 1978-79    |       |                    |              |             |                     |                     |                 |               |                        |
|             | LATITUDE 45 43 03 N<br>LONGITUDE 73 29 03 W<br>LAND DESCRIPTION 082204<br>DRAINAGE AREA km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 210<br>REMARK(S) - REGULATED - DATA CONTRIBUTED BY 740           |                   |            |       |                    |              |             |                     |                     |                 |               |                        |
| 0208004     | L'ASSOMPTION (RIVIERE) A JOLLETTE                                                                                                                                                                   | M-MS              | 1974-78    |       |                    |              |             |                     |                     |                 |               |                        |
|             | LATITUDE 48 00 37 N<br>LONGITUDE 73 29 29 W<br>LAND DESCRIPTION 082219<br>DRAINAGE AREA 1 340 km <sup>2</sup><br>TOTAL NUMBER OF SAMPLES 280<br>REMARK(S) - REGULATED - DATA CONTRIBUTED BY 740     |                   |            |       |                    |              |             |                     |                     |                 |               |                        |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES



| STATION NO. | NAME                                                                                                           | TYPE OF OPERATION | CONC. DATA         | SUSPENDED SEDIMENT |              |             | BED LOAD            |       | BED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------------------------------------------------------------------------------|-------------------|--------------------|--------------------|--------------|-------------|---------------------|-------|----------------------------|
|             |                                                                                                                |                   |                    | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH |                            |
| 030C003     | LAFORGE (RIVIERE) PRES DE LA GRANDE RIVIERE                                                                    | M-MS              | 1973-74            |                    |              |             |                     |       |                            |
|             | LATITUDE 53 58 10 N<br>LONGITUDE 73 28 08 W<br>LAND DESCRIPTION 052717<br>DRAINAGE AREA 10 300 km <sup>2</sup> |                   |                    |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 5                  |                    |              |             |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |                    |                    |              |             |                     |       |                            |
|             |                                                                                                                |                   |                    |                    |              |             |                     |       |                            |
| 07PJ025     | LINIERE (RIVIERE) A SAINT-COME-2                                                                               | M-MS              | 1988-79            |                    |              |             |                     |       |                            |
|             | LATITUDE 45 03 31 N<br>LONGITUDE 70 31 40 W<br>LAND DESCRIPTION 023423<br>DRAINAGE AREA 808 km <sup>2</sup>    |                   |                    |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 488                |                    |              |             |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |                    |                    |              |             |                     |       |                            |
|             |                                                                                                                |                   |                    |                    |              |             |                     |       |                            |
| 07PG001     | LOUP (RIVIERE DU) A LA ROUTE NO. 233                                                                           | M-MS<br>M-MS      | 1988-77<br>1980-81 |                    |              |             |                     |       |                            |
|             | LATITUDE 47 58 21 N<br>LONGITUDE 69 31 14 W<br>LAND DESCRIPTION 022913<br>DRAINAGE AREA 1 030 km <sup>2</sup>  |                   |                    |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 1081               |                    |              |             |                     |       |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |                    |                    |              |             |                     |       |                            |
|             |                                                                                                                |                   |                    |                    |              |             |                     |       |                            |
| 030C005     | LOUP (RIVIERE DU) A LOUISEVILLE                                                                                | M-MS              | 1978-81            |                    |              |             |                     |       |                            |
|             | LATITUDE 48 17 47 N<br>LONGITUDE 72 34 48 W<br>LAND DESCRIPTION 052802<br>DRAINAGE AREA 1 430 km <sup>2</sup>  |                   |                    |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 380                |                    |              |             |                     |       |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |                    |                    |              |             |                     |       |                            |
|             |                                                                                                                |                   |                    |                    |              |             |                     |       |                            |
| 020E009     | MAGGS (RIVIERE) A LA CENTRALE DE ROCK-FORREST                                                                  | M-MS              | 1978-79            |                    |              |             |                     |       |                            |
|             | LATITUDE 45 20 33 N<br>LONGITUDE 71 58 37 W<br>LAND DESCRIPTION 030273<br>DRAINAGE AREA 1 880 km <sup>2</sup>  |                   |                    |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 18                 |                    |              |             |                     |       |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |                    |                    |              |             |                     |       |                            |
|             |                                                                                                                |                   |                    |                    |              |             |                     |       |                            |
| 020E006     | MAGGS (RIVIERE) A LA CENTRALE DE SHERBROOKE                                                                    | M-MS              | 1978               |                    |              |             |                     |       |                            |
|             | LATITUDE 45 24 20 N<br>LONGITUDE 71 53 28 W<br>LAND DESCRIPTION 030221<br>DRAINAGE AREA 2 020 km <sup>2</sup>  |                   |                    |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 28                 |                    |              |             |                     |       |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |                    |                    |              |             |                     |       |                            |
|             |                                                                                                                |                   |                    |                    |              |             |                     |       |                            |
| 02PF002     | MATILLOUX (RIVIERE)                                                                                            | M-MS              | 1970               |                    |              |             |                     |       |                            |
|             | LATITUDE 47 34 42 N<br>LONGITUDE 70 08 12 W<br>LAND DESCRIPTION 051801<br>DRAINAGE AREA km <sup>2</sup>        |                   |                    |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 180                |                    |              |             |                     |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |                    |                    |              |             |                     |       |                            |
|             |                                                                                                                |                   |                    |                    |              |             |                     |       |                            |
| 030C002     | MASKINGNOE (RIVIERE) PRES DE SAINTE-URSULE                                                                     | M-MS              | 1973-79            |                    |              |             |                     |       |                            |
|             | LATITUDE 45 18 06 N<br>LONGITUDE 73 09 48 W<br>LAND DESCRIPTION 052601<br>DRAINAGE AREA 1 030 km <sup>2</sup>  |                   |                    |                    |              |             |                     |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   | 535                |                    |              |             |                     |       |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |                    |                    |              |             |                     |       |                            |
|             |                                                                                                                |                   |                    |                    |              |             |                     |       |                            |

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| STATION NO. | NAME                                                                                                           | TYPE OF OPERATION | CONC. DATA | LOADS                     | SUSPENDED SEDIMENT |             |                           | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------------------------------------------------------------------------------|-------------------|------------|---------------------------|--------------------|-------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                                                                                                |                   |            |                           | DISS. SOLIDS       | WATER TEMP. | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 020E019     | MASSAWAPPI (RIVIERE) EN AVAL DU LAC MASSAWAPPI                                                                 | M-MS              | 1978-78    |                           |                    |             |                           |                 |               |                            |
|             | LATITUDE 45 17 03 N<br>LONGITUDE 71 57 45 W<br>LAND DESCRIPTION 030220<br>DRAINAGE AREA 819 km <sup>2</sup>    |                   |            |                           |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 10                        |                    |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                           |                 |               |                            |
| 020E043     | MASSAWAPPI (RIVIERE) PRES DE LA RIVIERE SAINT-FRANCOIS                                                         | M-MS              | 1978       |                           |                    |             |                           |                 |               |                            |
|             | LATITUDE 45 22 00 N<br>LONGITUDE 71 51 03 W<br>LAND DESCRIPTION 030231<br>DRAINAGE AREA 1 700 km <sup>2</sup>  |                   |            |                           |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 50                        |                    |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                           |                 |               |                            |
| 018D002     | MATAPEDIA (RIVIERE) EN AMONT DE LA RIVIERE ASSEMETOUGAN                                                        | M-MS              | 1970-77    |                           |                    |             |                           |                 |               |                            |
|             | LATITUDE 48 05 12 N<br>LONGITUDE 67 06 02 W<br>LAND DESCRIPTION 011807<br>DRAINAGE AREA 2 780 km <sup>2</sup>  |                   |            |                           |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 503                       |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                           |                 |               |                            |
| 02PD002     | MONTMORENCY (RIVIERE) EN AVAL DU BARRAGE DES MARCHES NATURELLES                                                | M-MS              | 1972-73    |                           |                    |             |                           |                 |               |                            |
|             | LATITUDE 45 53 39 N<br>LONGITUDE 71 08 05 W<br>LAND DESCRIPTION 051001<br>DRAINAGE AREA 1 100 km <sup>2</sup>  |                   |            |                           |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 213                       |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                           |                 |               |                            |
| 020D003     | NICOLET (RIVIERE) EN AVAL DE LA RIVIERE BULSTRODE                                                              | M-MS              | 1970-78    |                           |                    |             |                           |                 |               |                            |
|             | LATITUDE 46 03 33 N<br>LONGITUDE 72 18 23 W<br>LAND DESCRIPTION 030103<br>DRAINAGE AREA 1 540 km <sup>2</sup>  |                   |            |                           |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 235                       |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                           |                 |               |                            |
| 020G018     | NOIRE (RIVIERE) PRES DE LA RIVIERE YAMASKA                                                                     | M-MS              | 1989-78    |                           |                    |             |                           |                 |               |                            |
|             | LATITUDE 45 29 59 N<br>LONGITUDE 72 54 23 W<br>LAND DESCRIPTION 030304<br>DRAINAGE AREA 1 470 km <sup>2</sup>  |                   |            |                           |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 411                       |                    |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                           |                 |               |                            |
| 02LC022     | NORD (RIVIERE DU) A SAINT-ANDRE-EST                                                                            | M-MS              | 1972-73    |                           |                    |             |                           |                 |               |                            |
|             | LATITUDE 45 33 55 N<br>LONGITUDE 74 20 09 W<br>LAND DESCRIPTION 040118<br>DRAINAGE AREA 2 070 km <sup>2</sup>  |                   |            |                           |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 70                        |                    |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                           |                 |               |                            |
| 03AD001     | NOTTAWAY (RIVIERE) A LA TETE DU LAC SOSCHUNICA                                                                 | M-MS              | 1972       |                           |                    |             |                           |                 |               |                            |
|             | LATITUDE 50 08 04 N<br>LONGITUDE 77 25 18 W<br>LAND DESCRIPTION 050701<br>DRAINAGE AREA 57 500 km <sup>2</sup> |                   |            |                           |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                   |            | 2                         |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                   |            | - DATA CONTRIBUTED BY 740 |                    |             |                           |                 |               |                            |

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| STATION NO. | NAME                                                                                                           | TYPE OF OPERATION         | CONC. DATA                         | SUSPENDED SEDIMENT                 |                                    |                                    |                           | SED LOAD        |               | SED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                                                                                                |                           |                                    | LOADS                              | DISS. SOLIDS                       | WATER TEMP.                        | PARTICLE SIZE POINT DEPTH | VOLUME ON LOADS | PARTICLE SIZE |                            |
| 020J007     | RICHELIEU (RIVIERE) AUX RAPIDES<br>PRYERS                                                                      | D-S<br>M-C<br>M-MS<br>M-S | 1970-71<br>1972-78<br>1977<br>1978 | 1970-71<br>1972-78<br>1977<br>1978 | 1970-71<br>1972-78<br>1977<br>1978 | 1970-71<br>1972-78<br>1977<br>1978 |                           |                 |               |                            |
|             | LATITUDE 45 23 34 N<br>LONGITUDE 73 18 32 W<br>DRAINAGE AREA 22 000 km <sup>2</sup>                            |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                           | 587                                |                                    | 518                                | 344                                |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
| 020A002     | RIMOUSKI (RIVIERE)-1                                                                                           | M-MS                      | 1958-73                            |                                    |                                    |                                    |                           |                 |               |                            |
|             | LATITUDE 48 24 48 N<br>LONGITUDE 68 33 22 W<br>LAND DESCRIPTION 022003<br>DRAINAGE AREA 1 810 km <sup>2</sup>  |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                           | 855                                |                                    |                                    |                                    |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             |                                                                                                                |                           |                                    |                                    |                                    |                                    |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 020B034     | ROUGE (RIVIERE)                                                                                                | M-MS                      | 1980-81                            |                                    |                                    | 1980-81                            |                           |                 |               |                            |
|             | LATITUDE 45 59 18 N<br>LONGITUDE 73 29 58 W<br>LAND DESCRIPTION 052230<br>DRAINAGE AREA 318 km <sup>2</sup>    |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                           | 245                                |                                    |                                    | 200                                |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             |                                                                                                                |                           |                                    |                                    |                                    |                                    |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 02LC024     | ROUGE (RIVIERE) A SON<br>EMBOUCHURE                                                                            | M-MS<br>M-MS              | 1972-73<br>1980-81                 |                                    |                                    | 1980-81                            |                           |                 |               |                            |
|             | LATITUDE 45 33 44 N<br>LONGITUDE 74 18 18 W<br>LAND DESCRIPTION 040123<br>DRAINAGE AREA 141 km <sup>2</sup>    |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                           | 284                                |                                    |                                    | 230                                |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             |                                                                                                                |                           |                                    |                                    |                                    |                                    |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 038B002     | RUPERT (RIVIERE DE) ET LE<br>CHENAL CHIPASTOUC                                                                 | M-MS                      | 1973                               |                                    |                                    |                                    |                           |                 |               |                            |
|             | LATITUDE 51 02 31 N<br>LONGITUDE 73 48 37 W<br>LAND DESCRIPTION 081007<br>DRAINAGE AREA 18 100 km <sup>2</sup> |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                           | 3                                  |                                    |                                    |                                    |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             |                                                                                                                |                           |                                    |                                    |                                    |                                    |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 02PD010     | SAINT-CHARLES (RIVIERE) EN<br>AMONT DE LA RIVIERE LORETTE                                                      | M-MS                      | 1980-81                            |                                    |                                    | 1980-81                            |                           |                 |               |                            |
|             | LATITUDE 48 48 51 N<br>LONGITUDE 71 18 03 W<br>LAND DESCRIPTION 050804<br>DRAINAGE AREA 387 km <sup>2</sup>    |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                           | 181                                |                                    |                                    | 178                                |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             |                                                                                                                |                           |                                    |                                    |                                    |                                    |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 020E004     | SAINT-FRANCOIS (RIVIERE) A<br>ASCOT                                                                            | M-MS                      | 1975-78                            |                                    |                                    |                                    |                           |                 |               |                            |
|             | LATITUDE 48 28 47 N<br>LONGITUDE 71 45 59 W<br>LAND DESCRIPTION 030208<br>DRAINAGE AREA 4 120 km <sup>2</sup>  |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                           | 57                                 |                                    |                                    |                                    |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             |                                                                                                                |                           |                                    |                                    |                                    |                                    |                           |                 |               | - DATA CONTRIBUTED BY 740  |
| 020F009     | SAINT-FRANCOIS (RIVIERE) A<br>BROMPTONVILLE                                                                    | M-MS                      | 1975                               |                                    |                                    |                                    |                           |                 |               |                            |
|             | LATITUDE 48 28 30 N<br>LONGITUDE 71 55 18 W<br>LAND DESCRIPTION 030244<br>DRAINAGE AREA 8 110 km <sup>2</sup>  |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                           | 7                                  |                                    |                                    |                                    |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                           |                                    |                                    |                                    |                                    |                           |                 |               |                            |
|             |                                                                                                                |                           |                                    |                                    |                                    |                                    |                           |                 |               | - DATA CONTRIBUTED BY 740  |

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| STATION NO. | NAME                                                    | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT        |              |             | SED. LOAD           |       | SED. MATERIAL PARTICLE SIZE |
|-------------|---------------------------------------------------------|-------------------|------------|---------------------------|--------------|-------------|---------------------|-------|-----------------------------|
|             |                                                         |                   |            | LOADS                     | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH |                             |
| 020E029     | SAINT-FRANCOIS (RIVIERE) A DISTRABL                     | M-MS              | 1975       |                           |              |             |                     |       |                             |
|             | LATITUDE 45 54 14 N                                     |                   |            |                           |              |             |                     |       |                             |
|             | LONGITUDE 71 30 46 W                                    |                   |            |                           |              |             |                     |       |                             |
|             | LAND DESCRIPTION 030213                                 |                   |            |                           |              |             |                     |       |                             |
|             | DRAINAGE AREA 1 340 km <sup>2</sup>                     |                   |            |                           |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                                 |                   | 5          |                           |              |             |                     |       |                             |
|             | REMARK(S) - REGULATED                                   |                   |            | - DATA CONTRIBUTED BY 740 |              |             |                     |       |                             |
| 020F019     | SAINT-FRANCOIS (RIVIERE) A LA CENTRALE DE DRUMMONDVILLE | M-MS              | 1968-73    |                           |              |             |                     |       |                             |
|             | LATITUDE 45 53 14 N                                     |                   |            |                           |              |             |                     |       |                             |
|             | LONGITUDE 72 29 00 W                                    |                   |            |                           |              |             |                     |       |                             |
|             | LAND DESCRIPTION 030259                                 |                   |            |                           |              |             |                     |       |                             |
|             | DRAINAGE AREA 9 830 km <sup>2</sup>                     |                   |            |                           |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                                 |                   | 1163       |                           |              |             |                     |       |                             |
|             | REMARK(S) - REGULATED                                   |                   |            | - DATA CONTRIBUTED BY 740 |              |             |                     |       |                             |
| 020F002     | SAINT-FRANCOIS (RIVIERE) A LA CENTRALE DE HEMMING-FALLS | M-MS              | 1973-78    |                           |              |             |                     |       |                             |
|             | LATITUDE 45 51 42 N                                     |                   |            |                           |              |             |                     |       |                             |
|             | LONGITUDE 72 27 11 W                                    |                   |            |                           |              |             |                     |       |                             |
|             | LAND DESCRIPTION 030203                                 |                   |            |                           |              |             |                     |       |                             |
|             | DRAINAGE AREA 9 810 km <sup>2</sup>                     |                   |            |                           |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                                 |                   | 488        |                           |              |             |                     |       |                             |
|             | REMARK(S) - REGULATED                                   |                   |            | - DATA CONTRIBUTED BY 740 |              |             |                     |       |                             |
| 020E017     | SAINT-FRANCOIS (RIVIERE) A LA CENTRALE DE WOODEN        | M-MS              | 1975       |                           |              |             |                     |       |                             |
|             | LATITUDE 45 39 43 N                                     |                   |            |                           |              |             |                     |       |                             |
|             | LONGITUDE 71 37 50 W                                    |                   |            |                           |              |             |                     |       |                             |
|             | LAND DESCRIPTION 030212                                 |                   |            |                           |              |             |                     |       |                             |
|             | DRAINAGE AREA 2 930 km <sup>2</sup>                     |                   |            |                           |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                                 |                   | 1          |                           |              |             |                     |       |                             |
|             | REMARK(S) - REGULATED                                   |                   |            | - DATA CONTRIBUTED BY 740 |              |             |                     |       |                             |
| 020E007     | SAINT-FRANCOIS (RIVIERE) A LA CENTRALE DE WESTBURY      | M-MS              | 1975       |                           |              |             |                     |       |                             |
|             | LATITUDE 46 29 52 N                                     |                   |            |                           |              |             |                     |       |                             |
|             | LONGITUDE 71 37 04 W                                    |                   |            |                           |              |             |                     |       |                             |
|             | LAND DESCRIPTION 030207                                 |                   |            |                           |              |             |                     |       |                             |
|             | DRAINAGE AREA 3 330 km <sup>2</sup>                     |                   |            |                           |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                                 |                   | 57         |                           |              |             |                     |       |                             |
|             | REMARK(S) - REGULATED                                   |                   |            | - DATA CONTRIBUTED BY 740 |              |             |                     |       |                             |
| 020E070     | SAINT-FRANCOIS (RIVIERE) EN AVAL DU RESERVOIR AYLHER-1  | M-MS              | 1975       |                           |              |             |                     |       |                             |
|             | LATITUDE 45 45 35 N                                     |                   |            |                           |              |             |                     |       |                             |
|             | LONGITUDE 71 24 25 W                                    |                   |            |                           |              |             |                     |       |                             |
|             | LAND DESCRIPTION 030278                                 |                   |            |                           |              |             |                     |       |                             |
|             | DRAINAGE AREA 1 710 km <sup>2</sup>                     |                   |            |                           |              |             |                     |       |                             |
|             | REMARK(S) - REGULATED                                   |                   |            | - DATA CONTRIBUTED BY 740 |              |             |                     |       |                             |
| 020E003     | SAINT-FRANCOIS (RIVIERE) PRES DE DISHOPTON              | M-MS              | 1975       |                           |              |             |                     |       |                             |
|             | LATITUDE 45 34 50 N                                     |                   |            |                           |              |             |                     |       |                             |
|             | LONGITUDE 71 33 53 W                                    |                   |            |                           |              |             |                     |       |                             |
|             | LAND DESCRIPTION 030210                                 |                   |            |                           |              |             |                     |       |                             |
|             | DRAINAGE AREA 3 110 km <sup>2</sup>                     |                   |            |                           |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                                 |                   | 1          |                           |              |             |                     |       |                             |
|             | REMARK(S) - REGULATED                                   |                   |            | - DATA CONTRIBUTED BY 740 |              |             |                     |       |                             |
| 020F030     | SAINT-GERMAIN (RIVIERE) A DRUMMONDVILLE                 | M-MS              | 1975       |                           |              |             |                     |       |                             |
|             | LATITUDE 45 52 38 N                                     |                   |            |                           |              |             |                     |       |                             |
|             | LONGITUDE 72 30 40 W                                    |                   |            |                           |              |             |                     |       |                             |
|             | LAND DESCRIPTION 030292                                 |                   |            |                           |              |             |                     |       |                             |
|             | DRAINAGE AREA 280 km <sup>2</sup>                       |                   |            |                           |              |             |                     |       |                             |
|             | TOTAL NUMBER OF SAMPLES                                 |                   | 7          |                           |              |             |                     |       |                             |
|             | REMARK(S) - NATURAL FLOW                                |                   |            | - DATA CONTRIBUTED BY 740 |              |             |                     |       |                             |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                                                           | TYPE OF OPERATION                              | CONC. DATA                                                 | LOADS                                                      | SUSPENDED SEDIMENT                                         |                                                            |                           | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                                                                                                |                                                |                                                            |                                                            | DISS. SOLIDS                                               | WATER TEMP.                                                | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 02PD003     | SAINT-LAURENT (FLEUVE) A LA VILLE DE QUEBEC                                                                    | P-S<br>P-MS                                    | 1973-78<br>1977-78                                         |                                                            | 1973-78<br>1977-78                                         |                                                            |                           |                 |               |                            |
|             | LATITUDE 46 48 24 N<br>LONGITUDE 71 12 11 W<br>DRAINAGE AREA km <sup>2</sup>                                   |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                                                | 267                                                        |                                                            | 234                                                        |                                                            |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
| 02DA018     | SAINT-LAURENT (FLEUVE) A LASALLE                                                                               | M-S<br>M-S<br>M-S<br>M-C<br>P-C<br>P-S<br>P-MS | 1987<br>1988<br>1989<br>1970<br>1971-72<br>1973-74<br>1975 | 1987<br>1988<br>1989<br>1970<br>1971-72<br>1973-74<br>1975 | 1987<br>1988<br>1989<br>1970<br>1971-72<br>1973-74<br>1975 | 1987<br>1988<br>1989<br>1970<br>1971-72<br>1973-74<br>1975 |                           |                 |               |                            |
|             | LATITUDE 46 24 54 N<br>LONGITUDE 73 37 25 W<br>DRAINAGE AREA km <sup>2</sup>                                   |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                                                | 577                                                        |                                                            | 557                                                        | 352                                                        |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
| 02PJ031     | SAINT-VICTOR (RIVIERE)                                                                                         | M-MS                                           | 1988-72                                                    |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | LATITUDE 48 12 08 N<br>LONGITUDE 70 53 38 W<br>LAND DESCRIPTION 023421<br>DRAINAGE AREA 883 km <sup>2</sup>    |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                                                | 518                                                        |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | - DATA CONTRIBUTED BY 740                                                                                      |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
| 02PB018     | SAINT-ANNE (RIVIERE) A CHUTE-PANET-1                                                                           | M-MS                                           | 1988-73                                                    |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | LATITUDE 48 51 10 N<br>LONGITUDE 71 52 39 W<br>LAND DESCRIPTION 050408<br>DRAINAGE AREA 1 550 km <sup>2</sup>  |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                                                | 554                                                        |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | - DATA CONTRIBUTED BY 740                                                                                      |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
| 02PB037     | SAINT-ANNE (RIVIERE) A LA PERADE-1                                                                             | M-MS<br>M-MS                                   | 1974-77<br>1980-81                                         |                                                            |                                                            | 1980-81                                                    |                           |                 |               |                            |
|             | LATITUDE 48 37 35 N<br>LONGITUDE 72 12 00 W<br>LAND DESCRIPTION 050438<br>DRAINAGE AREA 2 880 km <sup>2</sup>  |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                                                | 421                                                        |                                                            |                                                            | 153                                                        |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | - DATA CONTRIBUTED BY 740                                                                                      |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
| 02PE001     | SAINT-ANNE DU NORD (RIVIERE) A LA CENTRALE DE SAINT-PEREOL                                                     | M-MS                                           | 1971-73                                                    |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | LATITUDE 47 07 35 N<br>LONGITUDE 70 49 08 W<br>LAND DESCRIPTION 081201<br>DRAINAGE AREA 974 km <sup>2</sup>    |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                                                | 224                                                        |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                          |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | - DATA CONTRIBUTED BY 740                                                                                      |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
| 03DE001     | SAKAMI (RIVIERE) PRES DE LA GRANDE RIVIERE                                                                     | M-MS                                           | 1973                                                       |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | LATITUDE 53 39 18 N<br>LONGITUDE 78 38 37 W<br>LAND DESCRIPTION 092707<br>DRAINAGE AREA 10 900 km <sup>2</sup> |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | - DATA CONTRIBUTED BY 740                                                                                      |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
| 020G038     | SALVAIL (RIVIERE) PRES DE LA RIVIERE YANASKA                                                                   | M-MS                                           | 1975                                                       |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | LATITUDE 45 46 27 N<br>LONGITUDE 72 59 28 W<br>LAND DESCRIPTION 030328<br>DRAINAGE AREA 188 km <sup>2</sup>    |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                        |                                                | 5                                                          |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                       |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |
|             | - DATA CONTRIBUTED BY 740                                                                                      |                                                |                                                            |                                                            |                                                            |                                                            |                           |                 |               |                            |

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| STATION NO. | NAME                                                                                                          | TYPE OF OPERATION | CONC. DATA                | LOADS | SUSPENDED SEDIMENT |             |                           | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|---------------------------------------------------------------------------------------------------------------|-------------------|---------------------------|-------|--------------------|-------------|---------------------------|-----------------|---------------|----------------------------|
|             |                                                                                                               |                   |                           |       | DISS. SOLIDS       | WATER TEMP. | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 02PH010     | SUD (RIVIERE DU) A ARTHURVILLE                                                                                | M-MS              | 1971-75                   |       |                    |             |                           |                 |               |                            |
|             | LATITUDE 48 49 14 N<br>LONGITUDE 70 45 25 W<br>LAND DESCRIPTION 023108<br>DRAINAGE AREA 821 km <sup>2</sup>   |                   |                           |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 198                       |       |                    |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                         |                   | - DATA CONTRIBUTED BY 740 |       |                    |             |                           |                 |               |                            |
| 020G014     | YAMACHICHE (RIVIERE) EN AMONT DE LA ROUTE NO. 132                                                             | M-MS              | 1977-78                   |       |                    | 1977-78     |                           |                 |               |                            |
|             | LATITUDE 48 17 34 N<br>LONGITUDE 72 48 11 W<br>LAND DESCRIPTION 053003<br>DRAINAGE AREA 288 km <sup>2</sup>   |                   |                           |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 142                       |       |                    | 119         |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                      |                   | - DATA CONTRIBUTED BY 740 |       |                    |             |                           |                 |               |                            |
| 020G005     | YAMASKA (RIVIERE)                                                                                             | M-MS              | 1973-81                   |       |                    | 1977-81     |                           |                 |               |                            |
|             | LATITUDE 48 37 17 N<br>LONGITUDE 72 57 03 W<br>LAND DESCRIPTION 030306<br>DRAINAGE AREA 3 370 km <sup>2</sup> |                   |                           |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 808                       |       |                    | 348         |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                         |                   | - DATA CONTRIBUTED BY 740 |       |                    |             |                           |                 |               |                            |
| 020G002     | YAMASKA (RIVIERE) A PARNHAM                                                                                   | M-MS              | 1988-78                   |       |                    | 1977-78     |                           |                 |               |                            |
|             | LATITUDE 48 18 57 N<br>LONGITUDE 72 57 57 W<br>LAND DESCRIPTION 030302<br>DRAINAGE AREA 1 270 km <sup>2</sup> |                   |                           |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 918                       |       |                    | 84          |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                         |                   | - DATA CONTRIBUTED BY 740 |       |                    |             |                           |                 |               |                            |
| 020G010     | YAMASKA (RIVIERE) EN AVAL DU BARRAGE A SAINT-HYACINTHE                                                        | M-MS              | 1975-78                   |       |                    |             |                           |                 |               |                            |
|             | LATITUDE 48 37 18 N<br>LONGITUDE 72 58 22 W<br>LAND DESCRIPTION 030334<br>DRAINAGE AREA 3 330 km <sup>2</sup> |                   |                           |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 9                         |       |                    |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                         |                   | - DATA CONTRIBUTED BY 740 |       |                    |             |                           |                 |               |                            |
| 020G007     | YAMASKA NORD (RIVIERE) A VAL-SHEPPARD                                                                         | M-MS              | 1988-73                   |       |                    |             |                           |                 |               |                            |
|             | LATITUDE 48 24 57 N<br>LONGITUDE 72 37 20 W<br>LAND DESCRIPTION 030309<br>DRAINAGE AREA 153 km <sup>2</sup>   |                   |                           |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 473                       |       |                    |             |                           |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                      |                   | - DATA CONTRIBUTED BY 740 |       |                    |             |                           |                 |               |                            |
| 020G011     | YAMASKA NORD (RIVIERE) PRES DE WARDEN                                                                         | M-MS              | 1975                      |       |                    |             |                           |                 |               |                            |
|             | LATITUDE 48 23 02 N<br>LONGITUDE 72 30 08 W<br>LAND DESCRIPTION 030335<br>DRAINAGE AREA 87.1 km <sup>2</sup>  |                   |                           |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 5                         |       |                    |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                         |                   | - DATA CONTRIBUTED BY 740 |       |                    |             |                           |                 |               |                            |
| 020G014     | YAMASKA SUD-EST (RIVIERE) A COWANSVILLE ROUTE NO. 202                                                         | M-MS              | 1975-78                   |       |                    |             |                           |                 |               |                            |
|             | LATITUDE 48 12 24 N<br>LONGITUDE 72 48 53 W<br>LAND DESCRIPTION 030314<br>DRAINAGE AREA 208 km <sup>2</sup>   |                   |                           |       |                    |             |                           |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                       |                   | 7                         |       |                    |             |                           |                 |               |                            |
|             | REMARK(S) - REGULATED                                                                                         |                   | - DATA CONTRIBUTED BY 740 |       |                    |             |                           |                 |               |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES



| STATION<br>NO | NAME                                                                                                          | TYPE OF<br>OPERATION | CONC.<br>DATA             | SUSPENDED SEDIMENT |                 |                |                              | SED LOAD           |                  | SED<br>MATERIAL<br>PARTICLE<br>SIZE |
|---------------|---------------------------------------------------------------------------------------------------------------|----------------------|---------------------------|--------------------|-----------------|----------------|------------------------------|--------------------|------------------|-------------------------------------|
|               |                                                                                                               |                      |                           | LOADS              | DISS.<br>SOLIDS | WATER<br>TEMP. | PARTICLE SIZE<br>POINT DEPTH | VOLUME<br>OR LOADS | PARTICLE<br>SIZE |                                     |
| 0206018       | YAMASKA SUD-OUEST (RIVIERE) AU<br>PORT-ROUTE A MONDREVILLE                                                    | M-MS                 | 1977-81                   |                    |                 | 1978-80        |                              |                    |                  |                                     |
|               | LATITUDE 45 22 35 N<br>LONGITUDE 73 01 50 W<br>LAND DESCRIPTION 020322<br>DRAINAGE AREA 87.8 km <sup>2</sup>  |                      |                           |                    |                 |                |                              |                    |                  |                                     |
|               | TOTAL NUMBER OF SAMPLES                                                                                       |                      | 387                       |                    |                 | 28             |                              |                    |                  |                                     |
|               | REMARK(S) - NATURAL FLOW                                                                                      |                      | - DATA CONTRIBUTED BY 740 |                    |                 |                |                              |                    |                  |                                     |
| 0180002       | YORK (RIVIERE) A SUNNY BANK                                                                                   | M-MS                 | 1959-77                   |                    |                 |                |                              |                    |                  |                                     |
|               | LATITUDE 48 50 03 N<br>LONGITUDE 84 37 30 W<br>LAND DESCRIPTION 020401<br>DRAINAGE AREA 1 010 km <sup>2</sup> |                      |                           |                    |                 |                |                              |                    |                  |                                     |
|               | TOTAL NUMBER OF SAMPLES                                                                                       |                      | 873                       |                    |                 |                |                              |                    |                  |                                     |
|               | REMARK(S) - NATURAL FLOW                                                                                      |                      | - DATA CONTRIBUTED BY 740 |                    |                 |                |                              |                    |                  |                                     |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

## SASKATCHEWAN

| STATION NO. | NAME                                                                                                                   | TYPE OF OPERATION                                          | CONC. DATA                                                            | SUSPENDED SEDIMENT      |                         |                                                                    | BED LOAD                                                           |       | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------|-------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|-------|----------------------------|
|             |                                                                                                                        |                                                            |                                                                       | LOADS                   | DISS. SOLIDS            | WATER TEMP.                                                        | PARTICLE SIZE POINT                                                | DEPTH |                            |
| OSAD011     | ALCOTT CREEK ABOVE MEADOW LAKE                                                                                         | M-MS                                                       | 1988                                                                  |                         | 1988                    | 1988                                                               |                                                                    |       |                            |
|             | LATITUDE 53 57 10 N<br>LONGITUDE 107 58 30 W<br>LAND DESCRIPTION SE28-57-14-W3<br>DRAINAGE AREA 418 km <sup>2</sup>    |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                                            |                                                                       | 8                       | 8                       | 8                                                                  |                                                                    |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
| OSNF010     | ANTLER RIVER NEAR WAUCHOPE                                                                                             | M-MS                                                       | 1984-87                                                               |                         | 1984-87                 | 1984-87                                                            |                                                                    |       |                            |
|             | LATITUDE 49 35 03 N<br>LONGITUDE 101 50 52 W<br>LAND DESCRIPTION NW24-07-33-W1<br>DRAINAGE AREA 380 km <sup>2</sup>    |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                                            |                                                                       | 19                      | 18                      | 18                                                                 |                                                                    |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
| OSMB004     | ASSINIBOINE RIVER AT KAMSAK                                                                                            | M-S<br>M-S                                                 | 1959-77<br>1978-79                                                    | 1989-77<br>1978-79      | 1989-70<br>1978-79      | 1989-77<br>1978-79                                                 |                                                                    |       |                            |
|             | LATITUDE 51 33 53 N<br>LONGITUDE 101 54 58 W<br>LAND DESCRIPTION SW03-30-32-W1<br>DRAINAGE AREA 13 000 km <sup>2</sup> |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                                            |                                                                       | 616                     | 273                     | 624                                                                |                                                                    |       |                            |
|             | REMARK(S) - REGULATED                                                                                                  |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
| OSFF001     | BATTLE RIVER AT BATTLEFORD                                                                                             | M-S<br>M-MS<br>M-MS                                        | 1979<br>1980-84<br>1985                                               | 1979<br>1980-84<br>1985 | 1979<br>1980-84<br>1985 | 1979<br>1980-84<br>1985                                            | 1979<br>1980-83<br>1985                                            |       | 1989                       |
|             | LATITUDE 52 44 07 N<br>LONGITUDE 108 20 08 W<br>LAND DESCRIPTION NE25-43-17-W3<br>DRAINAGE AREA 29 700 km <sup>2</sup> |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                                            |                                                                       | 87                      | 87                      | 87                                                                 | 19                                                                 |       |                            |
|             | REMARK(S) - REGULATED SINCE 1973                                                                                       |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
| OSAD001     | BEAVER RIVER NEAR DORINTOSH                                                                                            | M-MS<br>M-MS                                               | 1979-85<br>1987                                                       |                         | 1979-85<br>1987         | 1979-85<br>1987                                                    | 1980                                                               |       |                            |
|             | LATITUDE 54 17 47 N<br>LONGITUDE 108 38 18 W<br>LAND DESCRIPTION NW23-51-18-W3<br>DRAINAGE AREA 20 500 km <sup>2</sup> |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                                            |                                                                       | 55                      | 58                      | 58                                                                 | 1                                                                  |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
| OSBF005     | BIG GULLY CREEK NEAR MAIDSTONE                                                                                         | M-MS                                                       | 1984-85                                                               |                         | 1984-85                 | 1984-85                                                            |                                                                    |       |                            |
|             | LATITUDE 53 14 38 N<br>LONGITUDE 109 17 45 W<br>LAND DESCRIPTION NW22-48-23-W3<br>DRAINAGE AREA 1 820 km <sup>2</sup>  |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                                            |                                                                       | 18                      | 18                      | 18                                                                 |                                                                    |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
| OSKB005     | BURNTOUT BROOK NEAR ARBORFIELD                                                                                         | M-MS<br>M-MS<br>M-S<br>M-MS<br>M-MS<br>M-S                 | 1972<br>1974-75<br>1978<br>1977-80<br>1982<br>1983-85                 | 1978                    |                         | 1972<br>1974<br>1978<br>1977-80<br>1982<br>1983-85                 | 1978<br>1978<br>1977-80<br>1982<br>1983-85                         |       |                            |
|             | LATITUDE 53 06 18 N<br>LONGITUDE 103 40 45 W<br>LAND DESCRIPTION SW03-48-12-W2<br>DRAINAGE AREA 305 km <sup>2</sup>    |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                                            |                                                                       | 181                     | 110                     | 118                                                                | 33                                                                 |       |                            |
|             | REMARK(S) - REGULATED                                                                                                  |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
| OSKB003     | CARROT RIVER NEAR ARMLEY                                                                                               | M-MS<br>M-MS<br>M-S<br>M-S<br>M-MS<br>M-MS<br>M-MS<br>M-MS | 1972<br>1974-75<br>1978<br>1977-78<br>1978<br>1980<br>1982<br>1984-85 | 1978                    |                         | 1972<br>1974<br>1978<br>1977-78<br>1978<br>1980<br>1982<br>1984-85 | 1974-78<br>1978<br>1978<br>1978<br>1978<br>1980<br>1982<br>1984-85 |       |                            |
|             | LATITUDE 53 08 11 N<br>LONGITUDE 104 01 15 W<br>LAND DESCRIPTION SW17-48-14-W2<br>DRAINAGE AREA 4 400 km <sup>2</sup>  |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                                            |                                                                       | 81                      | 82                      | 81                                                                 | 24                                                                 |       |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                               |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
| OSKA001     | CARROT RIVER NEAR KINISTINO                                                                                            | M-MS                                                       | 1972                                                                  |                         | 1972                    |                                                                    |                                                                    |       |                            |
|             | LATITUDE 52 58 55 N<br>LONGITUDE 105 00 18 W<br>LAND DESCRIPTION SE28-45-21-W2<br>DRAINAGE AREA 1 170 km <sup>2</sup>  |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                                |                                                            |                                                                       | 3                       | 2                       | 3                                                                  |                                                                    |       |                            |
|             | REMARK(S) - REGULATED                                                                                                  |                                                            |                                                                       |                         |                         |                                                                    |                                                                    |       |                            |

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C - CONTINUOUS OPERATION  
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V - VOLUMETRIC MEASUREMENT  
SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                             | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD            |         | BED MATERIAL PARTICLE SIZE    |
|-------------|----------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|---------|-------------------------------|
|             |                                  |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH   |                               |
| OSK001      | CARROT RIVER NEAR SMOXY BURN     | M-S               | 1972       | 1972               |              | 1972        |                     | 1972    |                               |
|             |                                  | M-MS              | 1972       |                    |              | 1972        |                     |         |                               |
|             |                                  | M-S               | 1974       | 1974               |              | 1974        |                     | 1974    |                               |
|             |                                  | D-S               | 1978-78    | 1978-78            | 1977-78      | 1978-78     |                     | 1978-78 |                               |
|             |                                  | M-S               | 1978       | 1978               | 1978         | 1978        |                     | 1978    | 1978                          |
|             |                                  | M-MS              | 1982       |                    | 1982         | 1982        |                     | 1982    |                               |
|             | TOTAL NUMBER OF SAMPLES          |                   | 282        |                    | 93           | 41          |                     | 10      |                               |
|             | REMARK(S) - NATURAL FLOW         |                   |            |                    |              |             |                     |         |                               |
| OSK002      | CONNELL CREEK NEAR CONNELL CREEK | M-MS              | 1977       |                    | 1977         | 1977        |                     |         |                               |
|             |                                  | M-MS              | 1978-81    |                    | 1978-81      | 1978-81     |                     | 1978-80 |                               |
|             |                                  | M-MS              | 1988       |                    | 1988         | 1988        |                     | 1988    |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             | TOTAL NUMBER OF SAMPLES          |                   | 31         |                    | 31           | 28          |                     | 8       |                               |
|             | REMARK(S) - NATURAL FLOW         |                   |            |                    |              |             |                     |         |                               |
| OSJF011     | COTTONWOOD CREEK NEAR LUMSDEN    | M-S               | 1982-83    | 1982-83            | 1982-83      | 1982-83     |                     | 1982    |                               |
|             |                                  | M-MS              | 1985-88    |                    | 1985-88      | 1985-88     |                     | 1985    |                               |
|             |                                  | M-MS              | 1987       |                    | 1987         | 1987        |                     | 1987    |                               |
|             |                                  | M-MS              | 1988       |                    | 1988         | 1988        |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             | TOTAL NUMBER OF SAMPLES          |                   | 28         |                    | 28           | 28          |                     | 4       |                               |
|             | REMARK(S) - NATURAL FLOW         |                   |            |                    |              |             |                     |         |                               |
| OSJM015     | CUTARM CREEK NEAR SPY HILL       | M-MS              | 1971       |                    | 1971         |             |                     |         |                               |
|             |                                  | M-MS              | 1972       |                    |              | 1973        |                     |         |                               |
|             |                                  | M-S               | 1974       | 1974               |              | 1974        |                     |         |                               |
|             |                                  | M-MS              | 1978-78    |                    | 1978-78      | 1978-78     |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             | TOTAL NUMBER OF SAMPLES          |                   | 52         |                    | 17           | 47          |                     |         |                               |
|             | REMARK(S) - REGULATED SINCE 1987 |                   |            |                    |              |             |                     |         |                               |
| 11AB078     | CYPRESS LAKE WEST INFLOW CANAL   | M-MS              | 1978       |                    | 1978         | 1978        |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             | TOTAL NUMBER OF SAMPLES          |                   | 1          |                    | 1            | 1           |                     |         |                               |
|             | REMARK(S) - REGULATED            |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         | INTERNATIONAL GAUGING STATION |
| 11AB077     | CYPRESS LAKE WEST OUTFLOW CANAL  | M-MS              | 1978       |                    | 1978         | 1978        |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             | TOTAL NUMBER OF SAMPLES          |                   | 1          |                    | 1            | 1           |                     |         |                               |
|             | REMARK(S) - REGULATED            |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         | INTERNATIONAL GAUGING STATION |
| OSK008      | DOGHIDE RIVER BELOW TISDALE      | M-MS              | 1974-78    |                    |              | 1976        |                     | 1976    |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             | TOTAL NUMBER OF SAMPLES          |                   | 14         |                    |              | 7           |                     | 1       |                               |
|             | REMARK(S) - NATURAL FLOW         |                   |            |                    |              |             |                     |         |                               |
| OSK011      | DOGHIDE RIVER NEAR RUNCIMAN      | M-MS              | 1977       |                    | 1977         | 1977        |                     | 1977    |                               |
|             |                                  | M-S               | 1978-81    | 1978-81            | 1978-81      | 1978-81     |                     | 1978-80 |                               |
|             |                                  | M-MS              | 1982-85    |                    | 1982-85      | 1982-85     |                     | 1982    |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             | TOTAL NUMBER OF SAMPLES          |                   | 45         |                    | 43           | 45          |                     | 8       |                               |
|             | REMARK(S) - NATURAL FLOW         |                   |            |                    |              |             |                     |         |                               |
| OSK008      | EAGLE CREEK NEAR ENVIRON         | M-MS              | 1978       |                    |              | 1978        |                     | 1978    |                               |
|             |                                  | M-S               | 1978       | 1978               |              | 1978        |                     |         |                               |
|             |                                  | M-MS              | 1977-80    |                    | 1978-80      | 1977-80     |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             |                                  |                   |            |                    |              |             |                     |         |                               |
|             | TOTAL NUMBER OF SAMPLES          |                   | 28         |                    | 14           | 28          |                     | 1       |                               |
|             | REMARK(S) - REGULATED            |                   |            |                    |              |             |                     |         |                               |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                             | TYPE OF OPERATION | CONC. DATA | LOADS   | SUSPENDED SEDIMENT |    | WATER TEMP. | PARTICLE SIZE |       | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|------------------------------------------------------------------|-------------------|------------|---------|--------------------|----|-------------|---------------|-------|-----------------|---------------|----------------------------|
|             |                                                                  |                   |            |         | DISS. SOLIDS       |    |             | POINT         | DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| OSJMO10     | EKAPD CREEK NEAR MARIEVAL                                        | M-MS              | 1973       |         |                    |    | 1973        |               |       |                 |               |                            |
|             |                                                                  | M-S               | 1974       | 1974    |                    |    | 1974        |               |       |                 |               |                            |
|             |                                                                  | M-MS              | 1975       |         |                    |    | 1975        |               |       |                 |               |                            |
|             |                                                                  | M-S               | 1976       | 1976    |                    |    | 1976        |               |       |                 |               |                            |
|             |                                                                  | M-MS              | 1977-78    |         | 1978-79            |    | 1977-79     |               |       |                 |               |                            |
|             | LATITUDE 80 31 47 N                                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LONGITUDE 102 42 37 W                                            |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LAND DESCRIPTION 1 100 km <sup>2</sup>                           |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | DRAINAGE AREA                                                    |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                          |                   | 37         |         |                    | 12 | 37          |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                         |                   |            |         |                    |    |             |               |       |                 |               |                            |
| OSJGO08     | ELBOW DIVERSION CANAL AT DROP STRUCTURE                          | M-MS              | 1988       |         | 1988               |    | 1988        |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LATITUDE 50 58 40 N                                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LONGITUDE 108 23 55 W                                            |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LAND DESCRIPTION NW20-23-03-W3                                   |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 2 km <sup>2</sup>                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                          |                   | 2          |         | 2                  |    | 2           |               |       |                 |               |                            |
|             | REMARK(S) - REGULATED                                            |                   |            |         |                    |    |             |               |       |                 |               |                            |
| OSLW002     | EYONAMI RIVER NEAR BERTWELL                                      | M-MS              | 1984-88    |         | 1984-88            |    | 1984-88     |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LATITUDE 52 35 32 N                                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LONGITUDE 102 33 54 W                                            |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LAND DESCRIPTION NE08-42-04-W2                                   |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 2 050 km <sup>2</sup>                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                          |                   | 42         |         | 39                 |    | 42          |               |       |                 | 3             |                            |
|             | REMARK(S) - NATURAL FLOW                                         |                   |            |         |                    |    |             |               |       |                 |               |                            |
| OSJCO07     | FLOWING WELL WEST INFLOW NEAR FLOWING WELL                       | M-MS              | 1987       |         | 1987               |    | 1987        |               |       |                 |               |                            |
|             |                                                                  | M-MS              | 1988       |         | 1988               |    | 1988        |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LATITUDE 80 15 04 N                                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LONGITUDE 106 58 48 W                                            |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LAND DESCRIPTION NE07-15-07-W3                                   |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 81.9 km <sup>2</sup>                               |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                          |                   | 3          |         | 3                  |    | 3           |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                                         |                   |            |         |                    |    |             |               |       |                 |               |                            |
| 11AC041     | FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY                        | M-MS              | 1971-72    |         | 1971               |    | 1972        |               |       |                 |               |                            |
|             |                                                                  | D-S               | 1973-77    | 1973-77 |                    |    | 1973-77     |               |       |                 |               | 1973-78                    |
|             |                                                                  | M-MS              | 1978       |         | 1978               |    | 1978        |               |       |                 |               | 1978                       |
|             |                                                                  | M-MS              | 1985-87    |         | 1985-87            |    | 1985-87     |               |       |                 |               | 1985-87                    |
|             |                                                                  | M-MS              | 1988       |         | 1988               |    | 1988        |               |       |                 |               |                            |
|             | LATITUDE 49 00 00 N                                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LONGITUDE 107 18 08 W                                            |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LAND DESCRIPTION SE05-01-10-W3                                   |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 8 510 km <sup>2</sup>                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                          |                   | 382        |         | 31                 |    | 105         |               |       |                 | 19            |                            |
|             | REMARK(S) - REGULATED SINCE 1937 - INTERNATIONAL GAUGING STATION |                   |            |         |                    |    |             |               |       |                 |               |                            |
| 11AC051     | FRENCHMAN RIVER BELOW VAL MARIE                                  | M-MS              | 1972       |         | 1972               |    | 1972        |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LATITUDE 49 11 40 N                                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LONGITUDE 107 41 12 W                                            |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LAND DESCRIPTION SW10-03-13-W3                                   |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 4 470 km <sup>2</sup>                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                          |                   | 8          |         | 2                  |    | 8           |               |       |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1937 - INTERNATIONAL GAUGING STATION |                   |            |         |                    |    |             |               |       |                 |               |                            |
| OSNFO13     | GAINSBOROUGH CREEK NEAR STORTHOAKS                               | M-MS              | 1974       |         |                    |    | 1974        |               |       |                 |               |                            |
|             |                                                                  | M-MS              | 1975       |         |                    |    |             |               |       |                 |               | 1978                       |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LATITUDE 49 24 51 N                                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LONGITUDE 101 31 38 W                                            |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LAND DESCRIPTION NW19-05-20-W1                                   |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 712 km <sup>2</sup>                                |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                          |                   | 3          |         |                    |    | 2           |               |       |                 | 1             |                            |
|             | REMARK(S) - NATURAL FLOW                                         |                   |            |         |                    |    |             |               |       |                 |               |                            |
| OSHA072     | GAP CREEK ABOVE JUNCTION RESERVOIR                               | M-MS              | 1972       |         |                    |    | 1972        |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             |                                                                  |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LATITUDE 49 54 02 N                                              |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LONGITUDE 109 34 41 W                                            |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | LAND DESCRIPTION SE14-11-27-W3                                   |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 582 km <sup>2</sup>                                |                   |            |         |                    |    |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                                          |                   | 4          |         |                    | 2  | 4           |               |       |                 |               |                            |
|             | REMARK(S) - REGULATED                                            |                   |            |         |                    |    |             |               |       |                 |               |                            |

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| STATION NO | NAME                                                     | TYPE OF OPERATION           | CONC DATA                          | SUSPENDED SEDIMENT |                                 |                            | BED LOAD            |       | BED MATERIAL PARTICLE SIZE |
|------------|----------------------------------------------------------|-----------------------------|------------------------------------|--------------------|---------------------------------|----------------------------|---------------------|-------|----------------------------|
|            |                                                          |                             |                                    | LOADS              | DISS. SOLIDS                    | WATER TEMP.                | PARTICLE SIZE POINT | DEPTH |                            |
|            |                                                          |                             |                                    |                    |                                 |                            |                     |       |                            |
| OSKA008    | GOOSEHUNTING CREEK NEAR BEATTY                           | M-MS                        | 1972                               |                    |                                 | 1972                       |                     |       |                            |
|            | LATITUDE 52 54 28 N                                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LONGITUDE 104 50 18 W                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LAND DESCRIPTION NE28-45-20-W2                           |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | DRAINAGE AREA 510 km <sup>2</sup>                        |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | TOTAL NUMBER OF SAMPLES                                  |                             | 5                                  |                    | 2                               | 5                          |                     |       |                            |
|            | REMARK(S) - REGULATED                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
| OSBD001    | HAULTAIN RIVER ABOVE NORBERT RIVER                       | M-MS                        | 1983                               |                    | 1983                            | 1983                       |                     |       |                            |
|            | LATITUDE 58 14 40 N                                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LONGITUDE 108 33 40 W                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | DRAINAGE AREA 3 880 km <sup>2</sup>                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | TOTAL NUMBER OF SAMPLES                                  |                             | 2                                  |                    | 2                               | 2                          |                     |       |                            |
|            | REMARK(S) - NATURAL FLOW                                 |                             |                                    |                    |                                 |                            |                     |       |                            |
| OSJL002    | INDIANHEAD CREEK NEAR INDIAN HEAD                        | M-MS<br>M-MS<br>M-MS        | 1970-71<br>1973-74<br>1978-80      |                    | 1970-71<br>1973-74<br>1978-80   | 1971<br>1973-74<br>1978-80 |                     |       | 1978<br>1979-80            |
|            | LATITUDE 50 38 42 N                                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LONGITUDE 103 38 14 W                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LAND DESCRIPTION NW22-19-12-W2                           |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | DRAINAGE AREA 327 km <sup>2</sup>                        |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | TOTAL NUMBER OF SAMPLES                                  |                             | 48                                 |                    | 25                              | 30                         |                     | 3     |                            |
|            | REMARK(S) - NATURAL FLOW                                 |                             |                                    |                    |                                 |                            |                     |       |                            |
| OSNB014    | JEWEL CREEK NEAR COWDATER                                | M-S<br>M-MS                 | 1974-78<br>1978-79                 | 1974-78            |                                 | 1974-78<br>1978-79         |                     |       |                            |
|            | LATITUDE 49 23 10 N                                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LONGITUDE 103 42 42 W                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LAND DESCRIPTION NE17-05-13-W2                           |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | DRAINAGE AREA 208 km <sup>2</sup>                        |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | TOTAL NUMBER OF SAMPLES                                  |                             | 33                                 |                    | 9                               | 30                         |                     |       |                            |
|            | REMARK(S) - REGULATED                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
| OSJK004    | JUMPING DEER CREEK NEAR LIPTON                           | M-MS<br>M-MS<br>M-S<br>M-MS | 1970<br>1973-75<br>1978<br>1977-78 |                    | 1970<br>1973-75<br>1978<br>1978 |                            |                     |       | 1973-75<br>1978<br>1977    |
|            | LATITUDE 50 55 10 N                                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LONGITUDE 103 53 57 W                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LAND DESCRIPTION NW33-22-14-W2                           |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | DRAINAGE AREA 1 880 km <sup>2</sup>                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | TOTAL NUMBER OF SAMPLES                                  |                             | 25                                 |                    | 4                               | 19                         |                     |       |                            |
|            | REMARK(S) - REGULATED                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
| OSKB010    | LEATHER RIVER BELOW PRESBYTERIAN RIVER                   | M-MS                        | 1978                               |                    |                                 | 1978                       |                     |       | 1978                       |
|            | LATITUDE 53 02 28 N                                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LONGITUDE 108 01 33 W                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LAND DESCRIPTION NE07-47-14-W2                           |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | DRAINAGE AREA 1 340 km <sup>2</sup>                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | TOTAL NUMBER OF SAMPLES                                  |                             | 5                                  |                    |                                 | 5                          |                     |       |                            |
|            | REMARK(S) - NATURAL FLOW                                 |                             |                                    |                    |                                 |                            |                     |       |                            |
| OSKB008    | LEATHER RIVER NEAR STAR CITY                             | M-MS<br>M-MS<br>M-S<br>M-MS | 1972<br>1974-75<br>1978<br>1977-78 |                    |                                 | 1972<br>1978<br>1977-78    |                     |       |                            |
|            | LATITUDE 52 50 32 N                                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LONGITUDE 104 14 24 W                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LAND DESCRIPTION SE03-46-18-W2                           |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | DRAINAGE AREA 185 km <sup>2</sup>                        |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | TOTAL NUMBER OF SAMPLES                                  |                             | 28                                 |                    | 11                              | 20                         |                     |       |                            |
|            | REMARK(S) - NATURAL FLOW                                 |                             |                                    |                    |                                 |                            |                     |       |                            |
| OSNA003    | LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY | M-MS<br>M-MS<br>M-MS        | 1974<br>1975-79<br>1981            | 1974               |                                 | 1974<br>1975-79<br>1981    |                     |       | 1974<br>1975-79<br>1981    |
|            | LATITUDE 48 00 01 N                                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LONGITUDE 103 31 08 W                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LAND DESCRIPTION SE01-01-11-W2                           |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | DRAINAGE AREA 3 210 km <sup>2</sup>                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | TOTAL NUMBER OF SAMPLES                                  |                             | 45                                 |                    | 21                              | 35                         |                     |       |                            |
|            | REMARK(S) - REGULATED - INTERNATIONAL CAUCING STATION    |                             |                                    |                    |                                 |                            |                     |       |                            |
| OSNA004    | LONG CREEK NEAR MAXIM                                    | M-MS<br>M-MS                | 1975-78<br>1978-79                 |                    |                                 | 1975-78<br>1978-79         |                     |       |                            |
|            | LATITUDE 48 15 32 N                                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LONGITUDE 103 57 32 W                                    |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | LAND DESCRIPTION NW34-03-15-W2                           |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | DRAINAGE AREA 1 780 km <sup>2</sup>                      |                             |                                    |                    |                                 |                            |                     |       |                            |
|            | TOTAL NUMBER OF SAMPLES                                  |                             | 30                                 |                    | 18                              | 22                         |                     |       |                            |
|            | REMARK(S) - REGULATED                                    |                             |                                    |                    |                                 |                            |                     |       |                            |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                | TYPE OF OPERATION | CONC. DATA | LOADS   | SUSPENDED SEDIMENT |             | PARTICLE SIZE POINT | PARTICLE SIZE DEPTH | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------|-------------------|------------|---------|--------------------|-------------|---------------------|---------------------|-----------------|---------------|----------------------------|
|             |                                     |                   |            |         | DISS. SOLIDS       | WATER TEMP. |                     |                     | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 05JAO03     | MCDONALD CREEK NEAR MCCORD          | M-MS              | 1982-83    |         | 1982-83            | 1982-83     |                     |                     |                 |               |                            |
|             | LATITUDE 49 28 14 N                 | M-MS              | 1988       |         | 1988               | 1988        |                     |                     |                 |               |                            |
|             | LONGITUDE 106 50 05 W               | M-MS              | 1989       |         | 1989               | 1989        |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION SW01-06-07-W3      |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 259 km <sup>2</sup>   |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 12         |         | 12                 | 10          |                     |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |         |                    |             |                     |                     |                 |               |                            |
| 05KB001     | HELFDORT CREEK NEAR HELFDORT        | M-MS              | 1972       |         |                    | 1972        |                     |                     |                 |               |                            |
|             | LATITUDE 52 50 29 N                 | M-MS              | 1974-78    |         |                    | 1976        |                     |                     |                 |               |                            |
|             | LONGITUDE 104 32 28 W               |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION SW03-45-18-W2      |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 417 km <sup>2</sup>   |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 18         |         | 1                  | 12          |                     |                     |                 |               |                            |
|             | REMARK(S) - REGULATED               |                   |            |         |                    |             |                     |                     |                 |               |                            |
| 05JE001     | MOOSE JAW RIVER ABOVE THUNDER CREEK | M-MS              | 1989-70    |         | 1989-70            | 1970        |                     |                     |                 |               |                            |
|             | LATITUDE 50 20 48 N                 | M-MS              | 1972       |         |                    | 1972        |                     |                     |                 |               |                            |
|             | LONGITUDE 105 31 49 W               |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION NW16-18-26-W2      |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 5 250 km <sup>2</sup> |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 19         |         | 8                  | 18          |                     | 8                   |                 |               |                            |
|             | REMARK(S) - REGULATED               |                   |            |         |                    |             |                     |                     |                 |               |                            |
| 05JE006     | MOOSE JAW RIVER NEAR BURDICK        | M-MS              | 1972       |         | 1972               | 1972        |                     |                     |                 |               |                            |
|             | LATITUDE 50 24 00 N                 | M-S               | 1973       | 1973    |                    | 1973        |                     |                     |                 |               |                            |
|             | LONGITUDE 106 23 50 W               | D-S               | 1974-78    | 1974-78 | 1978               | 1974-78     |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION SE05-17-25-W2      | D-S               | 1979       | 1979    | 1979               | 1979        |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 9 230 km <sup>2</sup> | M-S               | 1980       | 1980    | 1980               | 1980        |                     |                     |                 |               |                            |
|             |                                     | M-S               | 1982-83    | 1982-83 | 1982-83            | 1982-83     |                     |                     |                 |               |                            |
|             |                                     | M-MS              | 1984       |         | 1984               |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 502        |         | 182                | 149         |                     | 86                  |                 |               | 1987                       |
|             | REMARK(S) - REGULATED               |                   |            |         |                    |             |                     |                     |                 |               | 3                          |
| 05JE004     | MOOSE JAW RIVER NEAR ROULEAU        | M-MS              | 1973       |         |                    | 1973        |                     |                     |                 |               |                            |
|             | LATITUDE 50 11 29 N                 |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | LONGITUDE 104 59 08 W               |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION NE19-14-22-W2      |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 2 990 km <sup>2</sup> |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 1          |         |                    | 1           |                     |                     |                 |               |                            |
|             | REMARK(S) - REGULATED               |                   |            |         |                    |             |                     |                     |                 |               |                            |
| 05ND004     | MOOSE MOUNTAIN CREEK NEAR OXBOW     | M-S               | 1974-78    | 1974-78 |                    | 1974-78     |                     |                     |                 |               |                            |
|             | LATITUDE 49 13 58 N                 | M-MS              | 1977-80    |         | 1978-80            | 1977-80     |                     |                     |                 |               |                            |
|             | LONGITUDE 102 13 41 W               |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION NW21-03-02-W2      |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 8 060 km <sup>2</sup> |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 70         |         | 25                 | 55          |                     | 1                   |                 |               |                            |
|             | REMARK(S) - REGULATED               |                   |            |         |                    |             |                     |                     |                 |               |                            |
| 05BC001     | MUDJATIK RIVER NEAR FORCIER LAKE    | M-MS              | 1981-82    |         | 1981-82            | 1981-82     |                     |                     |                 |               |                            |
|             | LATITUDE 56 05 30 N                 |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | LONGITUDE 107 35 30 W               |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA 5 940 km <sup>2</sup> |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 8          |         | 8                  | 8           |                     |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW            |                   |            |         |                    |             |                     |                     |                 |               |                            |
| 11AB018     | NASHLYN CANAL NEAR CONSUL           | M-MS              | 1979       |         | 1979               | 1979        |                     |                     |                 |               |                            |
|             | LATITUDE 49 13 57 N                 |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | LONGITUDE 109 33 27 W               |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | LAND DESCRIPTION NE22-03-27-W3      |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | DRAINAGE AREA km <sup>2</sup>       |                   |            |         |                    |             |                     |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES             |                   | 1          |         | 1                  | 2           |                     |                     |                 |               |                            |
|             | REMARK(S) - REGULATED               |                   |            |         |                    |             |                     |                     |                 |               |                            |

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| STATION NO. | NAME                                      | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             |                     | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|-----------------|---------------|----------------------------|
|             |                                           |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | VOLUME OR LOADS | PARTICLE SIZE |                            |
| OS65001     | NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT | M-S               | 1958       | 1958               | 1958         | 1958        | 1958                |                 |               |                            |
|             |                                           | M-S               | 1962       | 1962               | 1962         | 1962        | 1962                |                 |               | 1962                       |
|             | LATITUDE 53 12 10 N                       | M-C               | 1963-68    | 1963-68            | 1963-68      | 1963-68     | 1963-67             | 1963-68         |               | 1963-68                    |
|             | LONGITUDE 105 48 08 W                     | M-C               | 1969-70    | 1969-70            | 1969-70      | 1969-70     | 1969-70             | 1969-70         |               | 1969-70                    |
|             | DRAINAGE AREA 131 000 km <sup>2</sup>     | M-C               | 1971-72    | 1971-72            | 1971-72      | 1971-72     | 1971-72             | 1971-72         |               | 1971-72                    |
|             |                                           | M-C               | 1973-75    | 1973-75            | 1973-75      | 1973-75     | 1973-74             | 1973-74         |               | 1973-75                    |
|             |                                           | M-MS              | 1976       |                    |              | 1976        |                     |                 |               |                            |
|             |                                           | M-C               | 1977-78    | 1977-78            | 1977-78      | 1977-78     | 1977-78             |                 |               | 1977-78                    |
|             |                                           | M-S               | 1979-82    | 1979-82            | 1979-82      | 1979-82     | 1980                | 1980-82         |               | 1979-80                    |
|             |                                           | M-S               | 1983-84    | 1983-84            | 1983-84      | 1983-84     | 1983-84             | 1983            |               |                            |
|             |                                           | M-S               | 1985-88    | 1985-88            | 1985-88      | 1985-88     | 1985                | 1985-88         |               | 1987                       |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 3718       |                    | 3173         | 3488        | 987                 | 479             |               | 443                        |
|             | REMARK(S) - REGULATED SINCE 1962          |                   |            |                    |              |             |                     |                 |               |                            |
| OS65001     | NORTH SASKATCHEWAN RIVER NEAR BORDEN      | M-S               | 1955-57    |                    |              |             | 1955                | 1955-57         |               | 1955                       |
|             | LATITUDE 52 22 23 N                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 107 04 58 W                     |                   |            |                    |              |             |                     |                 |               |                            |
|             | LAND DESCRIPTION NW19-39-08-W3            |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 119 000 km <sup>2</sup>     |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 124        |                    |              |             | 18                  | 42              |               | 1                          |
|             | REMARK(S) - NATURAL FLOW                  |                   |            |                    |              |             |                     |                 |               |                            |
|             |                                           |                   |            |                    |              |             |                     |                 |               |                            |
| OSLD003     | OVERFLOWING RIVER NEAR HUDSON BAY         | M-MS              | 1984-86    |                    | 1984-86      | 1984-86     |                     |                 |               |                            |
|             | LATITUDE 53 01 51 N                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 102 18 58 W                     |                   |            |                    |              |             |                     |                 |               |                            |
|             | LAND DESCRIPTION SW12-47-03-W2            |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 350 km <sup>2</sup>         |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 29         |                    | 28           | 29          |                     |                 |               |                            |
|             | REMARK(S) - NATURAL                       |                   |            |                    |              |             |                     |                 |               |                            |
| OSJL005     | PHEASANT CREEK NEAR VERNETHY              | M-MS              | 1970-71    |                    | 1970-71      | 1971        |                     |                 |               |                            |
|             | LATITUDE 50 44 00 N                       | M-MS              | 1973-77    |                    |              | 1973-77     |                     |                 |               |                            |
|             | LONGITUDE 103 18 41 W                     |                   |            |                    |              |             |                     |                 |               |                            |
|             | LAND DESCRIPTION NW22-20-10-W2            |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 1 150 km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 29         |                    | 7            | 20          |                     |                 |               |                            |
|             | REMARK(S) - REGULATED                     |                   |            |                    |              |             |                     |                 |               |                            |
| OSJA004     | PINTO CREEK NEAR WOODROW                  | M-S               | 1982       | 1982               | 1982         | 1982        |                     |                 |               |                            |
|             | LATITUDE 49 39 53 N                       | M-MS              | 1983       |                    | 1983         | 1983        |                     |                 |               |                            |
|             | LONGITUDE 108 43 30 W                     |                   |            |                    |              |             |                     |                 |               |                            |
|             | LAND DESCRIPTION NW23-08-08-W3            |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 1 870 km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 12         |                    | 10           | 112         |                     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                  |                   |            |                    |              |             |                     |                 |               |                            |
| OSNE001     | PIPESTONE CREEK NEAR MOOSSHIN             | M-MS              | 1973       |                    |              | 1973        |                     |                 |               |                            |
|             | LATITUDE 50 02 40 N                       |                   |            |                    |              |             |                     |                 |               |                            |
|             | LONGITUDE 101 40 33 W                     |                   |            |                    |              |             |                     |                 |               |                            |
|             | LAND DESCRIPTION NW28-12-31-W1            |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 3 660 km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 2          |                    |              | 2           |                     |                 |               |                            |
|             | REMARK(S) - REGULATED                     |                   |            |                    |              |             |                     |                 |               |                            |
| OSKB013     | PRESBYTERIAN RIVER ABOVE LEATHER RIVER    | M-MS              | 1972       |                    | 1972         | 1972        |                     |                 |               |                            |
|             | LATITUDE 53 01 00 N                       | M-MS              | 1976       |                    |              | 1976        |                     |                 | 1976          |                            |
|             | LONGITUDE 104 01 12 W                     |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 3 km <sup>2</sup>           |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 10         |                    | 5            | 10          |                     |                 | 1             |                            |
|             | REMARK(S) - NATURAL FLOW                  |                   |            |                    |              |             |                     |                 |               |                            |
| OSJD004     | OU'APPELLE RIVER ABOVE BUFFALO POUND LAKE | M-MS              | 1972       |                    |              | 1972        |                     |                 |               |                            |
|             | LATITUDE 50 47 00 N                       | M-MS              | 1988       |                    | 1988         | 1988        |                     |                 | 1988          |                            |
|             | LONGITUDE 108 48 31 W                     |                   |            |                    |              |             |                     |                 |               |                            |
|             | LAND DESCRIPTION NE18-21-28-W2            |                   |            |                    |              |             |                     |                 |               |                            |
|             | DRAINAGE AREA 2 630 km <sup>2</sup>       |                   |            |                    |              |             |                     |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                   |                   | 12         |                    | 2            | 8           |                     |                 | 2             |                            |
|             | REMARK(S) - REGULATED SINCE 1988          |                   |            |                    |              |             |                     |                 |               |                            |

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| STATION NO. | NAME                                                                                                                    | TYPE OF OPERATION                                 | CONC. DATA                                                 | SUSPENDED SEDIMENT                              |                                                            |                                                            | SED. LOAD           |                    | SED. MATERIAL PARTICLE SIZE |
|-------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|---------------------|--------------------|-----------------------------|
|             |                                                                                                                         |                                                   |                                                            | LOADS                                           | DISS. SOLIDS                                               | WATER TEMP.                                                | PARTICLE SIZE POINT | DEPTH              |                             |
| OSJH003     | QU'APPELLE RIVER AT TANTALON                                                                                            | M-MS                                              | 1974                                                       |                                                 |                                                            | 1974                                                       |                     |                    |                             |
|             | LATITUDE 50 31 55 N<br>LONGITUDE 101 50 30 W<br>LAND DESCRIPTION NW09-18-32-W1<br>DRAINAGE AREA 49 200 km <sup>2</sup>  |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                                                   | 7                                                          |                                                 |                                                            | 7                                                          |                     |                    |                             |
|             | REMARK(S) - REGULATED                                                                                                   |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
| OSJK007     | QU'APPELLE RIVER BELOW LOON CREEK                                                                                       | M-MS                                              | 1987-88                                                    |                                                 | 1987-88                                                    | 1987-88                                                    |                     | 1987-88            |                             |
|             | LATITUDE 50 47 11 N<br>LONGITUDE 104 17 21 W<br>LAND DESCRIPTION NW15-21-17-W2<br>DRAINAGE AREA 26 500 km <sup>2</sup>  |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                                                   | 30                                                         |                                                 | 30                                                         | 28                                                         |                     | 5                  |                             |
|             | REMARK(S) - REGULATED                                                                                                   |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
| OSJC901     | QU'APPELLE RIVER NEAR EYEBROW LAKE                                                                                      | M-MS                                              | 1988                                                       |                                                 | 1988                                                       | 1988                                                       |                     |                    |                             |
|             | LATITUDE 50 54 50 N<br>LONGITUDE 106 14 14 W<br>DRAINAGE AREA km <sup>2</sup>                                           |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                                                   | 1                                                          |                                                 | 1                                                          | 1                                                          |                     |                    |                             |
|             | REMARK(S) - REGULATED                                                                                                   |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
| OSJP001     | QU'APPELLE RIVER NEAR LUMSDEN                                                                                           | M-MS                                              | 1970                                                       |                                                 | 1970                                                       | 1970                                                       |                     | 1970               |                             |
|             | LATITUDE 50 39 18 N<br>LONGITUDE 104 51 08 W<br>LAND DESCRIPTION NE23-18-21-W2<br>DRAINAGE AREA 15 300 km <sup>2</sup>  | M-MS<br>M-MS<br>M-S<br>M-MS<br>M-S<br>M-S<br>M-MS | 1974-75<br>1975<br>1976<br>1977<br>1978-81<br>1982<br>1989 | 1975<br>1976<br>1977<br>1978-81<br>1982<br>1989 | 1970<br>1974-75<br>1975<br>1977<br>1978-81<br>1982<br>1989 | 1970<br>1974-75<br>1975<br>1977<br>1978-81<br>1982<br>1989 |                     | 1978-80<br>1982    |                             |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                                                   | 138                                                        |                                                 | 83                                                         | 118                                                        |                     | 22                 |                             |
|             | REMARK(S) - REGULATED                                                                                                   |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
| OSJM001     | QU'APPELLE RIVER NEAR WELBY                                                                                             | M-MS                                              | 1975-81                                                    |                                                 | 1975-81                                                    | 1975-81                                                    |                     | 1975               |                             |
|             | LATITUDE 50 28 28 N<br>LONGITUDE 101 33 24 W<br>LAND DESCRIPTION SW33-17-30-W1<br>DRAINAGE AREA 50 500 km <sup>2</sup>  | M-MS<br>M-MS<br>M-MS                              | 1982-84<br>1985-86                                         | 1982-84<br>1985-86                              | 1982-84<br>1985-86                                         | 1982-84<br>1985-86                                         |                     | 1982-83<br>1985-86 |                             |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                                                   | 111                                                        |                                                 | 89                                                         | 93                                                         |                     | 7                  |                             |
|             | REMARK(S) - REGULATED                                                                                                   |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
| OSLC001     | RED DEER RIVER NEAR ERWOOD                                                                                              | M-MS                                              | 1980-82                                                    |                                                 | 1980-82                                                    | 1980-82                                                    |                     | 1985-87            |                             |
|             | LATITUDE 52 51 38 N<br>LONGITUDE 102 11 39 W<br>LAND DESCRIPTION SW11-45-02-W2<br>DRAINAGE AREA 11 000 km <sup>2</sup>  |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                                                   | 50                                                         |                                                 | 58                                                         | 80                                                         |                     | 5                  |                             |
|             | REMARK(S) - NATURAL FLOW                                                                                                |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
| OSKD005     | SASKATCHEWAN RIVER ABOVE SIPANOK CHANNEL                                                                                | M-S                                               | 1954-55                                                    | 1954-55                                         |                                                            | 1954                                                       | 1954-55             | 1954-55            | 1954-55                     |
|             | LATITUDE 53 42 50 N<br>LONGITUDE 103 16 00 W<br>DRAINAGE AREA 287 000 km <sup>2</sup>                                   |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                                                   | 113                                                        |                                                 |                                                            | 13                                                         | 182                 | 100                | 4                           |
|             | REMARK(S) - DATA CONTRIBUTED BY SGO                                                                                     |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
| OSKD001     | SASKATCHEWAN RIVER AT NIPAWIN                                                                                           | M-S                                               | 1957-58                                                    | 1957-58                                         |                                                            | 1958                                                       |                     | 1957               |                             |
|             | LATITUDE 53 22 00 N<br>LONGITUDE 104 02 20 W<br>LAND DESCRIPTION NW31-50-14-W2<br>DRAINAGE AREA 257 000 km <sup>2</sup> |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                                                   | 223                                                        |                                                 |                                                            | 77                                                         |                     | 23                 |                             |
|             | REMARK(S) - REGULATED - DATA CONTRIBUTED BY SGO                                                                         |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
| OSKH010     | SASKATCHEWAN RIVER BELOW CUMBERLAND HOUSE                                                                               | M-S                                               | 1954-55                                                    | 1954-55                                         |                                                            | 1954-55                                                    | 1954                | 1954-55            | 1954-55                     |
|             | LATITUDE 53 53 00 N<br>LONGITUDE 101 55 00 W<br>DRAINAGE AREA 328 000 km <sup>2</sup>                                   |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |
|             | TOTAL NUMBER OF SAMPLES                                                                                                 |                                                   | 42                                                         |                                                 |                                                            | 10                                                         | 44                  | 7                  | 3                           |
|             | REMARK(S) - DATA CONTRIBUTED BY SGO                                                                                     |                                                   |                                                            |                                                 |                                                            |                                                            |                     |                    |                             |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                   | TYPE OF OPERATION                         | CONC. DATA                                                 | SUSPENDED SEDIMENT                                         |                                                            |                                                            | BED LOAD                           |                                    | BED MATERIAL PARTICLE SIZE    |
|-------------|----------------------------------------|-------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------|------------------------------------|-------------------------------|
|             |                                        |                                           |                                                            | LOADS                                                      | DISS. SOLIDS                                               | WATER TEMP.                                                | PARTICLE SIZE POINT                | PARTICLE SIZE DEPTH                |                               |
| OSK0003     | SASKATCHEWAN RIVER BELOW TOSIN LAKE    | M-S<br>M-C<br>M-S<br>M-C<br>M-MS<br>M-MS  | 1965<br>1965<br>1967-68<br>1969-70<br>1971<br>1976<br>1980 | 1965<br>1965<br>1967-68<br>1969-70<br>1971<br>1976<br>1980 | 1965<br>1965<br>1967-68<br>1969-70<br>1971<br>1976<br>1980 | 1965<br>1965<br>1967-68<br>1969-70<br>1971<br>1976<br>1980 |                                    |                                    |                               |
|             | LATITUDE 53 42 10 N                    | M-C                                       | 1969-70                                                    | 1969-70                                                    | 1969-70                                                    | 1969-70                                                    |                                    |                                    |                               |
|             | LONGITUDE 103 17 50 W                  | M-MS                                      | 1971                                                       | 1971                                                       | 1971                                                       | 1971                                                       |                                    |                                    |                               |
|             | LAND DESCRIPTION SW32-54-09-W2         | M-MS                                      | 1976                                                       | 1976                                                       | 1976                                                       | 1976                                                       |                                    |                                    |                               |
|             | DRAINAGE AREA 289 000 km <sup>2</sup>  | M-MS                                      | 1980                                                       | 1980                                                       | 1980                                                       | 1980                                                       |                                    |                                    |                               |
|             | TOTAL NUMBER OF SAMPLES                |                                           | 190                                                        | 191                                                        | 148                                                        |                                                            |                                    |                                    |                               |
|             | REMARK(S) - REGULATED                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
| OSK0008     | SASKATCHEWAN RIVER OLD CHANNEL         | M-MS<br>M-MS                              | 1973-78<br>1975-77                                         |                                                            | 1977                                                       | 1972-74<br>1976-77                                         |                                    |                                    |                               |
|             | LATITUDE 53 48 50 N                    |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LONGITUDE 103 28 30 W                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LAND DESCRIPTION NW04-69-07-W2         |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | DRAINAGE AREA km <sup>2</sup>          |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | TOTAL NUMBER OF SAMPLES                |                                           | 31                                                         | 5                                                          | 18                                                         |                                                            |                                    |                                    |                               |
|             | REMARK(S) - REGULATED                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
| OSN0021     | SHORT CREEK NEAR ROCHE FENCE           | M-S<br>M-MS                               | 1974-78<br>1977-81                                         | 1974-78                                                    | 1978-81                                                    | 1974-78<br>1977-81                                         |                                    |                                    | 1976<br>1979                  |
|             | LATITUDE 49 01 42 N                    |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LONGITUDE 102 50 57 W                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LAND DESCRIPTION SW14-01-07-W2         |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | DRAINAGE AREA 1 210 km <sup>2</sup>    |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | TOTAL NUMBER OF SAMPLES                |                                           | 57                                                         | 27                                                         | 87                                                         |                                                            | 2                                  |                                    |                               |
|             | REMARK(S) - REGULATED                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             |                                        |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    | INTERNATIONAL GAUGING STATION |
| OSN0001     | SOURIS RIVER NEAR GLEN EMMEN           | M-S<br>M-MS<br>M-S<br>M-MS<br>M-S<br>M-MS | 1976<br>1978<br>1978<br>1977-78<br>1978<br>1980-84         | 1974                                                       |                                                            | 1974<br>1975<br>1976<br>1977-78<br>1979<br>1980-84         |                                    |                                    |                               |
|             | LATITUDE 49 11 02 N                    |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LONGITUDE 102 01 42 W                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LAND DESCRIPTION NW01-03-01-W2         |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | DRAINAGE AREA 22 100 km <sup>2</sup>   |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | TOTAL NUMBER OF SAMPLES                |                                           | 108                                                        | 59                                                         | 104                                                        |                                                            |                                    |                                    |                               |
|             | REMARK(S) - REGULATED                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
| OSN0017     | SOURIS RIVER NEAR HALSBITE             | M-S<br>M-MS                               | 1978-78<br>1977-80                                         | 1975-78                                                    | 1978-80                                                    | 1975-78<br>1977-80                                         |                                    |                                    | 1975-78<br>1979               |
|             | LATITUDE 49 29 37 N                    |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LONGITUDE 103 38 44 W                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LAND DESCRIPTION NW23-08-13-W2         |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | DRAINAGE AREA 3 190 km <sup>2</sup>    |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | TOTAL NUMBER OF SAMPLES                |                                           | 49                                                         | 20                                                         | 39                                                         |                                                            | 5                                  |                                    |                               |
|             | REMARK(S) - REGULATED                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
| OSN0001     | SOUTH SASKATCHEWAN RIVER AT SASKATOON  | M-S<br>M-C<br>M-C<br>M-MS                 | 1981<br>1982-88<br>1988-71<br>1978                         | 1981<br>1982-88<br>1989-71<br>1978                         | 1981<br>1982-88<br>1989-71<br>1978                         | 1981<br>1982-88<br>1989-71<br>1978                         | 1981<br>1982-88<br>1989-71<br>1978 | 1981<br>1982-88<br>1989-71<br>1978 | 1981<br>1982-88<br>1971       |
|             | LATITUDE 52 08 28 N                    |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LONGITUDE 108 38 38 W                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LAND DESCRIPTION NW34-38-05-W2         |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | DRAINAGE AREA 181 000 km <sup>2</sup>  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | TOTAL NUMBER OF SAMPLES                |                                           | 985                                                        | 910                                                        | 750                                                        | 144                                                        | 45                                 |                                    | 28                            |
|             | REMARK(S) - REGULATED                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
| OSN0001     | SOUTH SASKATCHEWAN RIVER NEAR LEMSFORD | M-S<br>M-C<br>M-MS<br>M-MS                | 1981<br>1982-70<br>1971<br>1978                            | 1981<br>1982-70<br>1982-70<br>1978                         | 1981<br>1982-70<br>1982-70<br>1978                         | 1981<br>1982-70<br>1982-70<br>1978                         | 1981<br>1982-70<br>1982-70<br>1978 | 1981<br>1982-70<br>1982-70<br>1978 | 1981<br>1982-70               |
|             | LATITUDE 51 01 20 N                    |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LONGITUDE 109 07 30 W                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LAND DESCRIPTION SW10-24-23-W2         |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | DRAINAGE AREA 119 000 km <sup>2</sup>  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | TOTAL NUMBER OF SAMPLES                |                                           | 1109                                                       | 1053                                                       | 585                                                        | 358                                                        | 195                                |                                    | 50                            |
|             | REMARK(S) - REGULATED                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
| OSN0001     | SOUTH SASKATCHEWAN RIVER NEAR OUTLOOK  | M-S<br>M-S                                | 1988-82<br>1988-81                                         | 1988-82<br>1988-81                                         |                                                            | 1988-80<br>1985                                            | 1985<br>1985-81                    |                                    | 1985                          |
|             | LATITUDE 51 28 28 N                    |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LONGITUDE 107 04 40 W                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | LAND DESCRIPTION SW18-29-08-W2         |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | DRAINAGE AREA 138 000 km <sup>2</sup>  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             | TOTAL NUMBER OF SAMPLES                |                                           | 530                                                        |                                                            | 222                                                        | 23                                                         | 258                                |                                    | 1                             |
|             | REMARK(S) - REGULATED                  |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    |                               |
|             |                                        |                                           |                                                            |                                                            |                                                            |                                                            |                                    |                                    | DATA CONTRIBUTED BY SOO       |

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| STATION NO. | NAME                                                                                                                  | TYPE OF OPERATION    | CONC. DATA                    | SUSPENDED SEDIMENT |                               |                               | BED LOAD            |                            | BED MATERIAL PARTICLE SIZE |
|-------------|-----------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------|--------------------|-------------------------------|-------------------------------|---------------------|----------------------------|----------------------------|
|             |                                                                                                                       |                      |                               | LOADS              | DISS. SOLIDS                  | WATER TEMP.                   | PARTICLE SIZE POINT | VOLUME OR LOADS            |                            |
| OSGG002     | SPRUCE (LITTLE RED) RIVER NEAR PRINCE ALBERT                                                                          | M-MS                 | 1971                          |                    | 1971                          |                               |                     |                            |                            |
|             | LATITUDE 53 13 17 N<br>LONGITUDE 105 43 15 W<br>LAND DESCRIPTION SW26-49-28-W2<br>DRAINAGE AREA 1 870 km <sup>2</sup> |                      |                               |                    |                               |                               |                     |                            |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                      | 1                             |                    | 1                             |                               |                     |                            |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                      |                               |                    |                               |                               |                     |                            |                            |
| OSGF002     | STURGEON RIVER NEAR PRINCE ALBERT                                                                                     | M-MS<br>M-MS         | 1984-85<br>1988               |                    | 1984-85<br>1988               | 1984-85<br>1988               |                     | 1988                       |                            |
|             | LATITUDE 53 12 47 N<br>LONGITUDE 105 43 08 W<br>LAND DESCRIPTION NE08-49-27-W2<br>DRAINAGE AREA 8 100 km <sup>2</sup> |                      |                               |                    |                               |                               |                     |                            |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                      | 40                            |                    | 37                            | 40                            |                     | 8                          |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                      |                               |                    |                               |                               |                     |                            |                            |
| OSLE008     | SWAN RIVER NEAR HORQUAY                                                                                               | M-MS<br>M-MS<br>M-MS | 1981-84<br>1985-88<br>1987-88 |                    | 1981-84<br>1985-88<br>1987-88 | 1981-84<br>1985-88<br>1987-88 |                     | 1982-83<br>1985<br>1987-88 |                            |
|             | LATITUDE 51 59 52 N<br>LONGITUDE 102 04 28 W<br>LAND DESCRIPTION NW10-35-01-W2<br>DRAINAGE AREA 1 820 km <sup>2</sup> |                      |                               |                    |                               |                               |                     |                            |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                      | 57                            |                    | 57                            | 58                            |                     | 10                         |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                      |                               |                    |                               |                               |                     |                            |                            |
| OSKB012     | SWEETWATER CREEK NEAR STAR CITY                                                                                       | M-MS<br>M-MS         | 1972<br>1976                  |                    | 1972                          | 1972<br>1976                  |                     |                            |                            |
|             | LATITUDE 52 50 30 N<br>LONGITUDE 104 22 19 W<br>LAND DESCRIPTION NW38-44-17-W2<br>DRAINAGE AREA km <sup>2</sup>       |                      |                               |                    |                               |                               |                     |                            |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                      | 8                             |                    | 1                             | 8                             |                     |                            |                            |
|             | REMARK(S) -                                                                                                           |                      |                               |                    |                               |                               |                     |                            |                            |
| OSHD034     | SWIFT CURRENT CANAL AT SWIFT CURRENT                                                                                  | M-MS                 | 1972                          |                    |                               | 1972                          |                     |                            |                            |
|             | LATITUDE 50 15 03 N<br>LONGITUDE 107 48 43 W<br>LAND DESCRIPTION SE19-15-13-W3<br>DRAINAGE AREA km <sup>2</sup>       |                      |                               |                    |                               |                               |                     |                            |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                      | 2                             |                    |                               | 2                             |                     |                            |                            |
|             | REMARK(S) - REGULATED                                                                                                 |                      |                               |                    |                               |                               |                     |                            |                            |
| OSHD007     | SWIFT CURRENT CREEK AT SWIFT CURRENT                                                                                  | M-MS                 | 1972                          |                    |                               | 1972                          |                     |                            |                            |
|             | LATITUDE 50 15 50 N<br>LONGITUDE 107 48 40 W<br>LAND DESCRIPTION SE30-15-13-W3<br>DRAINAGE AREA 3 280 km <sup>2</sup> |                      |                               |                    |                               |                               |                     |                            |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                      | 5                             |                    | 2                             | 5                             |                     |                            |                            |
|             | REMARK(S) - REGULATED SINCE 1942                                                                                      |                      |                               |                    |                               |                               |                     |                            |                            |
| OSHD030     | SWIFT CURRENT CREEK BELOW PELLETIER CREEK                                                                             | M-MS                 | 1972                          |                    |                               | 1972                          |                     |                            |                            |
|             | LATITUDE 50 09 53 N<br>LONGITUDE 107 53 47 W<br>LAND DESCRIPTION NE07-14-14-W3<br>DRAINAGE AREA 2 810 km <sup>2</sup> |                      |                               |                    |                               |                               |                     |                            |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                      | 2                             |                    | 1                             | 2                             |                     |                            |                            |
|             | REMARK(S) - REGULATED SINCE 1942                                                                                      |                      |                               |                    |                               |                               |                     |                            |                            |
| OSHD036     | SWIFT CURRENT CREEK BELOW ROCK CREEK                                                                                  | M-MS                 | 1974-81                       |                    | 1978-81                       | 1974-81                       |                     |                            |                            |
|             | LATITUDE 48 50 38 N<br>LONGITUDE 108 28 48 W<br>LAND DESCRIPTION SW28-10-19-W3<br>DRAINAGE AREA 1 430 km <sup>2</sup> |                      |                               |                    |                               |                               |                     |                            |                            |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                      | 52                            |                    | 21                            | 44                            |                     |                            |                            |
|             | REMARK(S) - NATURAL FLOW                                                                                              |                      |                               |                    |                               |                               |                     |                            |                            |

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| STATION NO.                         | NAME                                | TYPE OF OPERATION                  | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD                  |                 | BED MATERIAL PARTICLE SIZE |               |
|-------------------------------------|-------------------------------------|------------------------------------|------------|--------------------|--------------|-------------|---------------------------|-----------------|----------------------------|---------------|
|                                     |                                     |                                    |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT DEPTH | VOLUME OR LOADS |                            | PARTICLE SIZE |
| OSHD039                             | SWIFT CURRENT CREEK NEAR LEIHAN     | M-MS                               | 1973       |                    |              | 1973        |                           |                 |                            |               |
|                                     | LATITUDE 50 29 38 N                 | D-MS                               | 1974       |                    |              | 1974        |                           |                 |                            |               |
|                                     | LONGITUDE 107 39 31 W               | D-S                                | 1978       | 1975               |              | 1978        |                           | 1975            |                            |               |
|                                     | LAND DESCRIPTION NE01-18-13-W3      | M-MS                               | 1978       |                    |              | 1978        |                           |                 |                            |               |
|                                     | DRAINAGE AREA 3 730 km <sup>2</sup> | D-S                                | 1977-78    | 1977-78            | 1978-79      | 1977-79     |                           |                 |                            |               |
|                                     |                                     | M-S                                | 1980       | 1980               | 1980         | 1980        |                           |                 |                            |               |
|                                     |                                     | M-MS                               | 1981-82    |                    | 1981-82      | 1981-82     |                           | 1982            |                            |               |
|                                     | TOTAL NUMBER OF SAMPLES             |                                    | 288        |                    | 95           | 85          |                           | 2               |                            |               |
|                                     | REMARK(S) - REGULATED               |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | OSHD037                             | SWIFT CURRENT CREEK NEAR THE MOUTH | M-S        | 1985-72            | 1985-72      | 1985-71     | 1985-72                   |                 | 1985-72                    | 1985          |
|                                     |                                     | M-MS                               | 1973       |                    |              | 1973        |                           |                 |                            |               |
| LATITUDE 50 36 08 N                 |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| LONGITUDE 107 43 22 W               |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| LAND DESCRIPTION SE18-19-13-W3      |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| DRAINAGE AREA 3 910 km <sup>2</sup> |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| TOTAL NUMBER OF SAMPLES             |                                     |                                    | 558        |                    | 474          | 427         |                           | 77              | 1                          |               |
| REMARK(S) - REGULATED SINCE 1942    |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| OSJFO12                             |                                     | WASCANA CREEK BELOW KRONAU MARSH   | M-S        | 1978               | 1978         | 1978        | 1978                      |                 |                            |               |
|                                     |                                     |                                    | M-MS       | 1980               |              | 1980        | 1980                      |                 |                            |               |
|                                     | LATITUDE 50 21 07 N                 |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | LONGITUDE 104 28 03 W               |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | LAND DESCRIPTION NE17-18-18-W2      |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | DRAINAGE AREA 2 980 km <sup>2</sup> |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | TOTAL NUMBER OF SAMPLES             |                                    | 12         |                    | 12           | 8           |                           |                 |                            |               |
|                                     | REMARK(S) - REGULATED               |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | OSJFO05                             | WASCANA CREEK NEAR LUNSDEN         | M-MS       |                    |              |             |                           |                 |                            |               |
|                                     |                                     | M-MS                               | 1973-74    |                    | 1989         |             |                           |                 |                            |               |
| LATITUDE 50 38 10 N                 |                                     | M-S                                | 1978-78    | 1975-78            |              | 1973-74     |                           |                 |                            |               |
| LONGITUDE 104 84 35 W               |                                     | M-S                                | 1977       |                    |              | 1975-78     |                           | 1975-78         |                            |               |
| LAND DESCRIPTION SW30-19-21-W2      |                                     | M-MS                               | 1977       |                    |              | 1977        |                           | 1977            |                            |               |
| DRAINAGE AREA 4 910 km <sup>2</sup> |                                     | M-S                                | 1978-80    | 1978-80            | 1978-80      | 1978-80     |                           | 1978-80         |                            |               |
|                                     |                                     | M-MS                               | 1989       |                    | 1989         | 1989        |                           |                 |                            |               |
| TOTAL NUMBER OF SAMPLES             |                                     |                                    | 92         |                    | 48           | 74          |                           | 11              |                            |               |
| REMARK(S) - REGULATED               |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| OSJFO09                             |                                     | WASCANA CREEK NEAR RICHARDSON      | M-C        | 1982-83            | 1982-83      | 1982        |                           |                 |                            |               |
|                                     |                                     | M-S                                | 1984-88    | 1984-88            | 1984-88      |             |                           |                 |                            |               |
|                                     | LATITUDE 50 23 51 N                 | M-S                                | 1987-70    | 1987-70            | 1987-70      |             |                           | 1984            |                            |               |
|                                     | LONGITUDE 104 28 13 W               | M-S                                | 1971-72    | 1971-72            | 1971-72      |             |                           | 1987-89         |                            |               |
|                                     | LAND DESCRIPTION NE38-18-18-W2      | M-S                                | 1974-78    | 1974-78            |              |             |                           | 1971            |                            |               |
|                                     | DRAINAGE AREA 3 130 km <sup>2</sup> | M-MS                               | 1978       |                    |              | 1978        |                           | 1978            |                            |               |
|                                     | TOTAL NUMBER OF SAMPLES             |                                    | 237        |                    | 142          | 17          |                           | 10              |                            |               |
|                                     | REMARK(S) - REGULATED               |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | OSAFO05                             | WATERNEN RIVER NEAR GOODSILL       | M-S        | 1978               | 1978         | 1978        | 1978                      |                 |                            |               |
| LATITUDE 54 26 46 N                 |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| LONGITUDE 109 13 21 W               |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| LAND DESCRIPTION SW14-83-22-W3      |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| DRAINAGE AREA 7 760 km <sup>2</sup> |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| TOTAL NUMBER OF SAMPLES             |                                     |                                    | 11         |                    | 11           | 10          |                           |                 |                            |               |
| REMARK(S) - NATURAL FLOW            |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| OSKE005                             |                                     | WHITE FOX RIVER NEAR GARRICK       | M-MS       | 1972               |              |             |                           |                 |                            |               |
|                                     |                                     | LATITUDE 53 26 20 N                |            |                    |              |             |                           |                 |                            |               |
|                                     |                                     | LONGITUDE 104 20 30 W              |            |                    |              |             |                           |                 |                            |               |
|                                     | LAND DESCRIPTION SE30-51-18-W2      |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | DRAINAGE AREA 1 870 km <sup>2</sup> |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | TOTAL NUMBER OF SAMPLES             |                                    | 3          |                    | 1            |             |                           |                 |                            |               |
|                                     | REMARK(S) - NATURAL FLOW            |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | OSMB003                             | WHITESAND RIVER NEAR CANDRA        | M-MS       | 1979               |              | 1979        | 1979                      |                 |                            |               |
|                                     |                                     | LATITUDE 51 38 11 N                |            |                    |              |             |                           |                 |                            |               |
|                                     |                                     | LONGITUDE 102 22 11 W              |            |                    |              |             |                           |                 |                            |               |
| LAND DESCRIPTION NE28-30-03-W2      |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| DRAINAGE AREA 8 740 km <sup>2</sup> |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| TOTAL NUMBER OF SAMPLES             |                                     |                                    | 4          |                    | 4            | 4           |                           |                 |                            |               |
| REMARK(S) - REGULATED               |                                     |                                    |            |                    |              |             |                           |                 |                            |               |
| OTMAG04                             |                                     | WILLIAM RIVER ABOVE CARSWELL RIVER | M-MS       | 1982               |              | 1982        | 1982                      |                 |                            |               |
|                                     |                                     | LATITUDE 58 48 50 N                |            |                    |              |             |                           |                 |                            |               |
|                                     |                                     | LONGITUDE 109 00 10 W              |            |                    |              |             |                           |                 |                            |               |
|                                     | DRAINAGE AREA 4 030 km <sup>2</sup> |                                    |            |                    |              |             |                           |                 |                            |               |
|                                     | TOTAL NUMBER OF SAMPLES             |                                    | 2          |                    | 2            | 1           |                           |                 |                            |               |
|                                     | REMARK(S) - NATURAL FLOW            |                                    |            |                    |              |             |                           |                 |                            |               |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

| STATION NO. | NAME                                                                                                                  | TYPE OF OPERATION | CONC. DATA         | LOADS   | SUSPENDED SEDIMENT |                            | SED. LOAD                 |                    | SED           |
|-------------|-----------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|---------|--------------------|----------------------------|---------------------------|--------------------|---------------|
|             |                                                                                                                       |                   |                    |         | DISS. SOLIDS       | WATER TEMP.                | PARTICLE SIZE POINT DEPTH | VOLUME ON LOADS    | PARTICLE SIZE |
| 05J0001     | WIWA CREEK NEAR GRAVELBURG                                                                                            | M-MS              | 1972               |         |                    | 1972                       |                           |                    |               |
|             | LATITUDE 80 02 14 N<br>LONGITUDE 105 32 58 W<br>LAND DESCRIPTION SW31-12-04-W3<br>DRAINAGE AREA 1 880 km <sup>2</sup> |                   |                    |         |                    |                            |                           |                    |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                   | 2                  |         | 1                  | 2                          |                           |                    |               |
|             | REMARK(S) - REGULATED                                                                                                 |                   |                    |         |                    |                            |                           |                    |               |
| 05J0008     | WIWA CREEK NEAR ST. BOSWELL                                                                                           | M-MS              | 1985-88            |         |                    | 1985-88 1985-88            |                           |                    |               |
|             | LATITUDE 80 04 05 N<br>LONGITUDE 105 45 18 W<br>LAND DESCRIPTION SW10-13-08-W3<br>DRAINAGE AREA 1 380 km <sup>2</sup> |                   |                    |         |                    |                            |                           |                    |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                   | 11                 |         | 10                 | 10                         |                           |                    |               |
|             | REMARK(S) - REGULATED                                                                                                 |                   |                    |         |                    |                            |                           |                    |               |
| 05J0002     | WOOD RIVER NEAR LAFLECHE                                                                                              | M-MS              | 1984-88            |         |                    | 1984-88 1986-88            |                           |                    |               |
|             | LATITUDE 49 40 01 N<br>LONGITUDE 108 41 33 W<br>LAND DESCRIPTION NW24-08-08-W3<br>DRAINAGE AREA 4 730 km <sup>2</sup> |                   |                    |         |                    |                            |                           |                    |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                   | 28                 |         | 28                 | 28                         |                           | 3                  |               |
|             | REMARK(S) - REGULATED                                                                                                 |                   |                    |         |                    |                            |                           |                    |               |
| 05NB011     | YELLOW GRASS DITCH NEAR YELLOW GRASS                                                                                  | M-S<br>M-MS       | 1974-78<br>1977-80 | 1974-78 |                    | 1974-78<br>1978-80 1977-80 |                           | 1976-78<br>1979-80 |               |
|             | LATITUDE 49 47 11 N<br>LONGITUDE 104 02 18 W<br>LAND DESCRIPTION SE01-10-18-W2<br>DRAINAGE AREA 1 900 km <sup>2</sup> |                   |                    |         |                    |                            |                           |                    |               |
|             | TOTAL NUMBER OF SAMPLES                                                                                               |                   | 47                 |         | 19                 | 43                         |                           | 8                  |               |
|             | REMARK(S) - REGULATED                                                                                                 |                   |                    |         |                    |                            |                           |                    |               |

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SEE INTRODUCTION FOR CONTRIBUTING AGENCIES



## YUKON TERRITORY

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| STATION NO. | NAME                                              | TYPE OF OPERATION | CONC. DATA | LOADS | SUSPENDED SEDIMENT |  | WATER TEMP. | PARTICLE SIZE |       | BED LOAD        |               | BED MATERIAL PARTICLE SIZE |
|-------------|---------------------------------------------------|-------------------|------------|-------|--------------------|--|-------------|---------------|-------|-----------------|---------------|----------------------------|
|             |                                                   |                   |            |       | DISS. SOLIDS       |  |             | POINT         | DEPTH | VOLUME OR LOADS | PARTICLE SIZE |                            |
| 08A001      | AISHIHIK RIVER NEAR WHITEHORSE                    | M-MS              | 1972       |       | 1972               |  | 15 72       |               |       |                 |               |                            |
|             | LATITUDE 80 51 40 N                               |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | LONGITUDE 137 03 40 W                             |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 4 300 km <sup>2</sup>               |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                           |                   | 2          |       | 2                  |  | 2           |               | 1     |                 |               |                            |
|             | REMARK(S) - REGULATED SINCE 1974                  |                   |            |       |                    |  |             |               |       |                 |               |                            |
| 08A001      | ALSEK RIVER ABOVE BATES RIVER                     | M-MS              | 1974-77    |       | 1975               |  | 1974-77     |               |       |                 |               |                            |
|             | LATITUDE 80 07 09 N                               | M-MS              | 1978-80    |       | 1978-80            |  | 1978-80     |               |       |                 |               |                            |
|             | LONGITUDE 137 58 27 W                             | M-MS              | 1982-88    |       | 1982-88            |  | 1982-88     |               |       |                 |               |                            |
|             | DRAINAGE AREA 18 200 km <sup>2</sup>              |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                           |                   | 108        |       | 90                 |  | 104         |               | 88    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                          |                   |            |       |                    |  |             |               |       |                 |               |                            |
| 08A003      | BIG CREEK NEAR THE MOUTH                          | M-MS              | 1977       |       |                    |  | 1977        |               |       |                 |               |                            |
|             | LATITUDE 82 34 07 N                               |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | LONGITUDE 137 00 58 W                             |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 1 750 km <sup>2</sup>               |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                           |                   | 1          |       |                    |  | 1           |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                          |                   |            |       |                    |  |             |               |       |                 |               |                            |
| 10M001      | FIRTH RIVER NEAR THE MOUTH                        | M-MS              | 1972-74    |       |                    |  | 1972-74     |               |       |                 |               |                            |
|             | LATITUDE 88 19 00 N                               |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | LONGITUDE 139 34 00 W                             |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 5 710 km <sup>2</sup>               |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                           |                   | 11         |       |                    |  | 11          |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                          |                   |            |       |                    |  |             |               |       |                 |               |                            |
| 10A001      | LIARD RIVER AT UPPER CROSSING                     | M-MS              | 1972       |       | 1972               |  | 1972        |               |       |                 |               |                            |
|             | LATITUDE 80 03 00 N                               | M-MS              | 1974-78    |       | 1975               |  | 1974-78     |               |       |                 |               |                            |
|             | LONGITUDE 128 54 00 W                             | M-MS              | 1982-83    |       | 1982-83            |  | 1982-83     |               |       |                 |               |                            |
|             | DRAINAGE AREA 33 400 km <sup>2</sup>              |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                           |                   | 8          |       | 8                  |  | 8           |               | 2     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                          |                   |            |       |                    |  |             |               |       |                 |               |                            |
| 08A008      | M'CLINTOCK RIVER NEAR WHITEHORSE                  | M-MS              | 1977       |       |                    |  | 1977        |               |       |                 |               |                            |
|             | LATITUDE 80 38 45 N                               |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | LONGITUDE 134 27 27 W                             |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 1 700 km <sup>2</sup>               |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                           |                   | 1          |       |                    |  | 1           |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                          |                   |            |       |                    |  |             |               |       |                 |               |                            |
| 10M002      | SCILVIE RIVER AT KILOMETRE 197.8 DEMPSTER HIGHWAY | M-MS              | 1974       |       |                    |  | 1974        |               |       |                 |               |                            |
|             | LATITUDE 66 21 48 N                               |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | LONGITUDE 138 17 50 W                             |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | DRAINAGE AREA 5 410 km <sup>2</sup>               |                   |            |       |                    |  |             |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                           |                   | 2          |       |                    |  | 2           |               |       |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                          |                   |            |       |                    |  |             |               |       |                 |               |                            |
| 08SC01      | PELLY RIVER AT PELLY CROSSING                     | M-MS              | 1988       |       | 1988               |  | 1988        |               |       |                 |               |                            |
|             | LATITUDE 62 48 47 N                               | M-MS              | 1970-73    |       | 1970-73            |  | 1970-73     |               |       |                 |               |                            |
|             | LONGITUDE 138 34 50 W                             | M-MS              | 1974-77    |       | 1975               |  | 1974-77     |               |       |                 |               |                            |
|             | DRAINAGE AREA 49 000 km <sup>2</sup>              | M-MS              | 1978-80    |       | 1978-80            |  | 1978-80     |               |       |                 |               |                            |
|             |                                                   | M-MS              | 1982-88    |       | 1982-88            |  | 1982-88     |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                           |                   | 89         |       | 80                 |  | 88          |               | 28    |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                          |                   |            |       |                    |  |             |               |       |                 |               |                            |
| 080D03      | STEWART RIVER AT THE MOUTH                        | M-MS              | 1988       |       | 1988               |  | 1988        |               |       |                 |               |                            |
|             | LATITUDE 83 18 55 N                               | M-MS              | 1978-77    |       | 1978               |  | 1978-77     |               |       |                 |               |                            |
|             | LONGITUDE 139 14 55 W                             | M-MS              | 1978-80    |       | 1978-80            |  | 1978-80     |               |       |                 |               |                            |
|             | DRAINAGE AREA 51 000 km <sup>2</sup>              | M-MS              | 1982-84    |       | 1982-84            |  | 1982-84     |               |       |                 |               |                            |
|             |                                                   | M-MS              | 1988-88    |       | 1988-88            |  | 1988-88     |               |       |                 |               |                            |
|             | TOTAL NUMBER OF SAMPLES                           |                   | 51         |       | 48                 |  | 50          |               | 4     |                 |               |                            |
|             | REMARK(S) - NATURAL FLOW                          |                   |            |       |                    |  |             |               |       |                 |               |                            |

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## YUKON TERRITORY

| STATION NO. | NAME                                                                                  | TYPE OF OPERATION | CONC. DATA | SUSPENDED SEDIMENT |              |             | BED LOAD            |         | BED MATERIAL PARTICLE SIZE |
|-------------|---------------------------------------------------------------------------------------|-------------------|------------|--------------------|--------------|-------------|---------------------|---------|----------------------------|
|             |                                                                                       |                   |            | LOADS              | DISS. SOLIDS | WATER TEMP. | PARTICLE SIZE POINT | DEPTH   |                            |
| 09CB001     | WHITE RIVER AT KILOMETRE 1881.6 ALASKA HIGHWAY                                        | M-MS              | 1975       |                    | 1975         | 1975        |                     |         |                            |
|             |                                                                                       | M-MS              | 1977-80    |                    | 1978-80      | 1977-80     |                     | 1977-80 |                            |
|             |                                                                                       | M-MS              | 1982-83    |                    | 1982-83      | 1983-83     |                     | 1984-85 |                            |
|             | LATITUDE 81 58 12 N<br>LONGITUDE 140 33 11 W<br>DRAINAGE AREA 6 240 km <sup>2</sup>   |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                               |                   | 180        |                    | 173          | 188         |                     | 122     |                            |
|             | REMARK(S) - NATURAL FLOW                                                              |                   |            |                    |              |             |                     |         |                            |
| 09CB001     | YUKON RIVER ABOVE WHITE RIVER                                                         | M-MS              | 1977-80    |                    | 1978-80      | 1977-80     |                     | 1978-79 |                            |
|             |                                                                                       | M-MS              | 1982-84    |                    | 1982-84      | 1982-84     |                     | 1982-83 |                            |
|             |                                                                                       | M-MS              | 1987-88    |                    | 1987-88      | 1987-88     |                     |         |                            |
|             | LATITUDE 83 05 02 N<br>LONGITUDE 139 29 40 W<br>DRAINAGE AREA 180 000 km <sup>2</sup> |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                               |                   | 42         |                    | 41           | 42          |                     | 4       |                            |
|             | REMARK(S) - NATURAL FLOW                                                              |                   |            |                    |              |             |                     |         |                            |
| 09CB001     | YUKON RIVER AT DAWSON                                                                 | M-MS              | 1971       |                    | 1971         | 1971        |                     | 1971    |                            |
|             |                                                                                       | M-MS              | 1974-77    |                    | 1975         | 1974-77     |                     | 1975-77 |                            |
|             |                                                                                       | M-MS              | 1978-79    |                    | 1978-79      | 1978-79     |                     | 1978-79 |                            |
|             | LATITUDE 84 04 12 N<br>LONGITUDE 139 25 30 W<br>DRAINAGE AREA 284 000 km <sup>2</sup> |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                               |                   | 15         |                    | 9            | 12          |                     | 9       |                            |
|             | REMARK(S) - NATURAL FLOW                                                              |                   |            |                    |              |             |                     |         |                            |
| 09AB001     | YUKON RIVER AT WHITEHORSE                                                             | M-S               | 1970       | 1970               | 1970         | 1970        |                     |         |                            |
|             |                                                                                       | M-MS              | 1971       |                    | 1971         | 1971        |                     |         |                            |
|             |                                                                                       | M-MS              | 1977       |                    |              | 1977        |                     |         |                            |
|             | LATITUDE 80 42 50 N<br>LONGITUDE 138 02 35 W<br>DRAINAGE AREA 18 400 km <sup>2</sup>  |                   |            |                    |              |             |                     |         |                            |
|             | TOTAL NUMBER OF SAMPLES                                                               |                   | 14         |                    | 13           | 14          |                     |         |                            |
|             | REMARK(S) - REGULATED SINCE 1926                                                      |                   |            |                    |              |             |                     |         |                            |

P - PUMP SAMPLING  
M - MANUAL SAMPLING  
D - DUAL PUMP AND MANUAL SAMPLING

C - CONTINUOUS OPERATION  
MS - MISCELLANEOUS OPERATION  
S - SEASONAL OPERATION

V - VOLUMETRIC MEASUREMENT

SEE INTRODUCTION FOR CONTRIBUTING AGENCIES

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|---------------------------------------------------------|----------|------|
| THELON RIVER ABOVE BEVERLY LAKE                         | 08JC002  | 80   |
| THELEWAZA RIVER ABOVE OUTLET SEALHOLE LAKE              | 08HB002  | 80   |
| THREEMILLS CREEK NEAR CARBON                            | 08CB007  | 31   |
| THREEPOINT CREEK NEAR HILLARYVILLE                      | 08BL013  | 21   |
| TOUGH CREEK NEAR BEAZER                                 | 08AR039  | 21   |
| TRAPPING CREEK NEAR THE MOUTH                           | 08NH019  | 34   |
| TRENT RIVER AT GLEN ROSS                                | 02HK004  | 88   |
| TROUT CREEK NEAR GRANUM                                 | 08AB008  | 21   |
| TROUT RIVER AT HIGHWAY NO. 1                            | 10FA002  | 80   |
| TURTLE RIVER NEAR LAURIER                               | 08LJ007  | 40   |
| TUYA RIVER NEAR TELEGRAPH CREEK                         | 08CD001  | 34   |
| TWENTY MILE CREEK AT BALLS FALLS                        | 03HA008  | 88   |
| TWIN CREEK NEAR SEEBE                                   | 08BF018  | 21   |
| UNNAMED EASTERN TRIBUTARY OF WHOTTESLEY RIVER           | 10SA004  | 81   |
| UNNAMED RIVER ABOVE ALLISON INLET                       | 10VC008  | 81   |
| UNNAMED RIVER ABOVE BRACEBRIDGE INLET                   | 10VC009  | 81   |
| UNNAMED RIVER ABOVE GOODWIN INLET                       | 10VC004  | 81   |
| UNNAMED RIVER ABOVE KING POINT                          | 10VB001  | 81   |
| UNNAMED RIVER ABOVE SARINE BAY                          | 10VB003  | 81   |
| UNNAMED RIVER ABOVE WARREN POINT                        | 10VB004  | 81   |
| UNNAMED RIVER ABOVE WEST ARM OF WEATHERALL BAY          | 10VB002  | 81   |
| UNNAMED RIVER AT OUTLET OF LAKE JERKY                   | 10SA001  | 81   |
| UNNAMED RIVER NEAR CAPE GELL                            | 10VC012  | 82   |
| UNNAMED RIVER NEAR SCHOMBERG POINT                      | 10VC007  | 82   |
| VALLEY RIVER NEAR DAUPHIN                               | 08LJ010  | 40   |
| VERMILION RIVER AT VEGREVILLE                           | 08EE009  | 21   |
| VERMILION RIVER NEAR DAUPHIN                            | 08LJ012  | 40   |
| VERMILION RIVER NEAR HAZELDINE                          | 08EE004  | 21   |
| VERMILION RIVER NEAR MARWAYNE                           | 08EE007  | 21   |
| VERMILION RIVER NEAR VEGREVILLE                         | 08EE003  | 21   |
| VERNON CREEK NEAR THE MOUTH                             | 08NM180  | 34   |
| WAIPARDUS CREEK NEAR THE MOUTH                          | 08BG008  | 22   |
| WAMPUS CREEK NEAR HINTON                                | 07AF083  | 88   |
| WANAPITEI RIVER NEAR WANUP                              | 02DB008  | 88   |
| WASCANA CREEK BELOW KRONAU MARSH                        | 08JF012  | 81   |
| WASCANA CREEK NEAR LUNDEN                               | 08JF008  | 81   |
| WASCANA CREEK NEAR RICHARDSON                           | 08JF009  | 81   |
| WASKATENAU CREEK NEAR WASKATENAU                        | 08EC002  | 22   |
| WATERFORD RIVER AT KILBRIDE                             | 02IM008  | 43   |
| WATERHEN RIVER NEAR GOODSOIL                            | 08AF008  | 81   |
| WATERTON RIVER NEAR GLENWOOD                            | 08AD028  | 22   |
| WEST ARROWWOOD CREEK NEAR ARROWWOOD                     | 08BM014  | 22   |
| WEST CRESWELL RIVER ABOVE CRESWELL BAY                  | 10TN003  | 82   |
| WEST DUFFINS CREEK ABOVE GREEN RIVER                    | 02HC038  | 87   |
| WEST DUFFINS CREEK AT GREEN RIVER                       | 02HC028  | 87   |
| WEST DUFFINS CREEK NEAR ALTONA                          | 02HC041  | 87   |
| WEST DUFFINS CREEK NEAR PICKERING                       | 02HC108  | 87   |
| WEST HUMBER RIVER NEAR THISTLETOWN                      | 02HC008  | 87   |
| WEST PRAIRIE RIVER NEAR HIGH PRAIRIE                    | 07BF002  | 22   |
| WEST STREETER CREEK NEAR HANTON                         | 08AB022  | 22   |
| WHIRLPOOL RIVER NEAR THE MOUTH                          | 07AA009  | 22   |
| WHISKEYJACK CREEK NEAR HINTON                           | 07AD004  | 22   |
| WHITE FOX RIVER NEAR GARRICK                            | 08KE008  | 81   |
| WHITE RIVER AT KILOMETRE 1881.8 ALASKA HIGHWAY          | 08CB001  | 84   |
| WHITEMUD RIVER AT WESTBOURNE                            | 08LL002  | 40   |
| WHITEMUD RIVER NEAR KEYES                               | 08LL008  | 40   |
| WHITEMUD RIVER NEAR WOODSIDE                            | 08LL008  | 40   |
| WHITESAND RIVER NEAR CANDRA                             | 08NH003  | 81   |
| WILDHAY RIVER NEAR HINTON                               | 07AC001  | 23   |
| WILLIAM RIVER ABOVE CARSWELL RIVER                      | 07MA004  | 81   |
| WILLOW CREEK ABOVE CHAIN LAKES                          | 08AB028  | 23   |
| WILLOW CREEK NEAR CLARESHOLM                            | 08AB021  | 23   |
| WILLOWLAKE RIVER BELOW METADALI CREEK                   | 10GB001  | 82   |
| WILNOT RIVER NEAR WILNOT VALLEY                         | 01CB004  | 88   |
| WILSON CREEK NEAR MCCREARY                              | 08LJ801  | 40   |
| WILSON RIVER NEAR DAUPHIN                               | 08LJ011  | 40   |
| WINDIGO RIVER ABOVE MUSKRAT DAM LAKE                    | 08LJ011  | 40   |
| WINISK RIVER BELOW ASHEWIS RIVER TRIBUTARY              | 04CB001  | 87   |
| WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT     | 04DC001  | 87   |
| WIWA CREEK NEAR GRAVELBOURNE                            | 08PF087  | 40   |
| WIWA CREEK NEAR ST. BOSWELLS                            | 08JC001  | 82   |
| WIXON CREEK BELOW ALTONA                                | 08JC008  | 82   |
| WOLVERINE CREEK NEAR VALLEYVIEW                         | 02HC048  | 87   |
| WOOD RIVER NEAR LAFLECHE                                | 07GF003  | 23   |
|                                                         | 08JA002  | 82   |
| YAMACHICHE (RIVIERE) EN AMONT DE LA ROUTE NO. 132       | 02GC014  | 80   |
| YAMASKA (RIVIERE)                                       | 02GC008  | 80   |
| YAMASKA (RIVIERE) A FARNHAM                             | 02GC002  | 80   |
| YAMASKA (RIVIERE) EN AVAL DU BARRAGE A SAINT-HYACINTHE  | 02GC010  | 80   |
| YAMASKA NORD (RIVIERE) A VAL-SHEFFORD                   | 02GC007  | 80   |
| YAMASKA NORD (RIVIERE) PRES DE WARDEN                   | 02GC011  | 80   |
| YAMASKA SUD-EST (RIVIERE) A COWANSVILLE ROUTE NO. 302   | 02GC014  | 80   |
| YAMASKA SUD-OUEST (RIVIERE) AU PONT-ROUTE A MONDREVILLE | 02GC018  | 81   |
| YELLOW GRASS DITCH NEAR YELLOW GRASS                    | 08NH011  | 82   |
| YORK (RIVIERE) A SUNNY BANK                             | 01BN002  | 81   |
| YUKON RIVER ABOVE WHITE RIVER                           | 08CD001  | 84   |
| YUKON RIVER AT DAWSON                                   | 08EB001  | 84   |
| YUKON RIVER AT WHITENORSE                               | 08AB001  | 84   |